AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2017-2018

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio –(Thesis project)
Course Code : BID 801, Crédits : 15, Session :2017-2018(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The thesis project provides the student with practical knowledge and hands on skills. Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Student will be able to find an independent approach to develop an exercise and professional ability to handle professional.

CO2: A thesis project topic will be chosen by the student and approved by the school so that a variety of professional projects are undertaken in each thesis semester every year.

CO3: The course gives an opportunity to develop a student an independent approach to develop an exercise and professional ability to handle professional projects with complete analysis of based data/ information so as to achieve aesthetically planned interior environment for functional efficiency.

B. **Programme Outcomes:**

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Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%

Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. Syllabus

Module I: Introduction

Introduction to the thesis and approval of Topic and subject.

Module II: Drawings

Thesis would include working operational plans, working drawings and design

model.

Module III: Building Materials

Understanding of modern building materials suitable for application to the nature of

the project. The project will be evaluated through a continuous Examination basis in

a series of seminars as announced from time to time.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

E. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

 A Visual Dictionary of Architecture, Francis D.K. Ching

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 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

 A.J. Metric Handbook, editors, Jan Bilwa and Leslie Fair weather

 Architectural Graphic standards editor – Boaz Joseph

 The Curtain Book, Mitchll Beazlty

 Interior Design Visual, Maureen Mitton 2nd Edition

 100 Bright Ideas For color, Sue Rose

 Window Fashion, Charles T. Randall

 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

F. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem

				Exam
2.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

14.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

26.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
33.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
37.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam

38.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
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43.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
44.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
45.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
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52.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
53.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
54.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
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70.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
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72.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
73.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
74.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
75.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
76.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
77.	model.	Lecture	CO2	Quiz & End Sem Exam
78.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
79.	model.	Lecture	CO2	Quiz & End Sem Exam
80.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
81.	model.	Lecture	CO2	Quiz & End Sem Exam

82.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
83.	model.	Lecture	CO2	Quiz & End Sem Exam
84.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
85.	model.	Lecture	CO2	Quiz & End Sem Exam
86.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
87.	model.	Lecture	CO2	Quiz & End Sem Exam
88.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
89.	model.	Lecture	CO2	Quiz & End Sem Exam
90.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
91.	model.	Lecture	CO2	Quiz & End Sem Exam
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96.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
97.	model.	Lecture	CO2	Quiz & End Sem Exam
98.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
99.	model.	Lecture	CO2	Quiz & End Sem Exam
100.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
101.	model.	Lecture	CO2	Quiz & End Sem Exam
102.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
103.	model.	Lecture	CO2	Quiz & End Sem Exam
104.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
105.	model.	Lecture	CO2	Quiz & End Sem Exam
106.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
107.	model.	Lecture	CO2	Quiz & End Sem Exam

108.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
109.	model.	Lecture	CO2	Quiz & End Sem Exam
110.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
111.	model.	Lecture	CO2	Quiz & End Sem Exam
112.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
113.	model.	Lecture	CO2	Quiz & End Sem Exam
114.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
115.	model.	Lecture	CO2	Quiz & End Sem Exam
116.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
117.	model.	Lecture	CO2	Quiz & End Sem Exam
118.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
119.	model.	Lecture	CO2	Quiz & End Sem Exam
120.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

121.	model.	Lecture	CO2	Quiz & End Sem Exam
122.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
123.	model.	Lecture	CO2	Quiz & End Sem Exam
124.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
125.	model.	Lecture	CO2	Quiz & End Sem Exam
126.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
127.	model.	Lecture	CO2	Quiz & End Sem Exam
128.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
129.	model.	Lecture	CO2	Quiz & End Sem Exam
130.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
131.	model.	Lecture	CO2	Quiz & End Sem Exam
132.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
133.	model.	Lecture	CO2	Quiz & End Sem Exam

134.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
135.	model.	Lecture	CO2	Quiz & End Sem Exam
136.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
137.	model.	Lecture	CO2	Quiz & End Sem Exam
138.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
139.	model.	Lecture	CO2	Quiz & End Sem Exam
140.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
141.	model.	Lecture	CO2	Quiz & End Sem Exam
142.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
143.	model.	Lecture	CO2	Quiz & End Sem Exam
144.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
145.	model.	Lecture	CO2	Quiz & End Sem Exam
146.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

147.	model.	Lecture	CO2	Quiz & End Sem Exam
148.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
149.	model.	Lecture	CO2	Quiz & End Sem Exam
150.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
151.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
152.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
153.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
154.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
155.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
156.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
157.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
158.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
159.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

160.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
161.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
162.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
163.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
164.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
165.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
166.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
167.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
168.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
169.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
170.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
171.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
172.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam

173.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
174.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
175.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
176.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
177.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
178.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
179.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
180.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
181.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
182.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
183.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
184.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
185.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam

186.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
187.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
188.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
189.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
190.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
191.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
192.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
193.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
194.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
195.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
196.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
197.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
198.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

199.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
200.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
201.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
202.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
203.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
204.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
205.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
206.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
207.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
208.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
209.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
210.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
211.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam

212.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
213.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
214.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
215.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
216.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
217.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
218.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
219.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
220.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
221.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
222.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
223.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
224.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam

225.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Student will be able to find an independent approach to develop an exercise and professional ability to handle professional.																	
CO 02	A thesis project topic will be chosen by the student and approved by the school so that a variety of professional projects are undertaken in each thesis semester every year.																	
CO 03	The course gives an opportunity to develop a student an independent approach to develop an exercise and professional ability to handle professional projects with complete analysis of based data/ information so as to																	

	achieve aesthetically planned interior environment for functional efficiency.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2017-2018						
Class: BID VIII Semester						
Subject Name: BID 801 Interior Design		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 801 is level 3 for the academic year 2017-2018.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2017-2018

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Professional Practice
Course Code : BID 802, Crédits : 03, Session :2017-2018(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: Lecture based learning along with exercises as tutorials related on the lecture delivery. Preparing a report of study of an interior designer's office.

H. Course Outcomes: At the end of the course, students will be able to:

CO1: Role of an interior designer in society, Scale of charges conduct in the practice.Requirements of interior design competitions and appointment of contractor for interior works.

CO2: To acquaint the students with role of an interior designer in society, scale of charges conducts in the practice.

CO3:Requirements of interior design competitions and appointment of contractor for interior works.

I. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the

society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

J. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto	A	5%

	be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.		
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

K. Syllabus

Module I: Introduction

Contract and conditions of engagement for interior projects

Module II: Duties

Responsibilities, liabilities and duties of interior designer.

Module III: Contract Document

Terms and conditions for entering into a Contact, Scale of charges and

mode of payment for the professional services to be offered.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

L. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

 A Visual Dictionary of Architecture, Francis D.K. Ching

 Interior design illustrated, Francis D.K. Ching

 House Book (The Complete Guide to Home Design), Terence Conran

 Masonry (Concrete, Brick, Stone), Christine Beall

 Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

 Window Fashion, Charles T. Randall

 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

 The Construction of Building Vol- 1 to 5, R. Barry

 Building Construction, N.L. Arora &, B.R. Gupta

 Interior Detail – 1 (Residence), Jeong, Kwang Young

 Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

M. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
226.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
227.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
228.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
229.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
230.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
231.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

232.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
233.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
234.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
235.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
236.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
237.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
238.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
239.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
240.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
241.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
242.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
243.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

244.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
245.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
246.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
247.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
248.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
249.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
250.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
251.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
252.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
253.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
254.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
255.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

256.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
257.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
258.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
259.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
260.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
261.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
262.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
263.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
264.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
265.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
266.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
267.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
268.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam

269.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
270.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam

N. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Role of an interior designer in society,Scale of charges conduct in the practice. Requirements of interior design competitions and appointment of contractor for interior works.																	
CO 02	To acquaint the students with role of an interior designer in society, scale of charges conducts in the practice.																	
CO 03	Requirements of interior design competitions and appointment of contractor for interior works.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2017-2018						
Class: BID VIII Semester						
Subject Name: BID 802 Professional Practice		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 802 is level 2 for the academic year 2017-2018.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2017-2018

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Lighting in Interiors
Course Code : BID 803, Crédits : 03, Session :2017-2018(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

O. Course Outcomes: At the end of the course, students will be able to:

CO1: Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light, different type of applications.

CO2: To help the student understand day lighting and technology of artificial lighting

CO3: To equip the student to understand and successfully apply lighting techniques with colour effects.

P. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

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Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

R. Syllabus

Module – I

INTRODUCTION TO DAY LIGHTING 8 Nature of light – Wavelength, Photometric quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements.

Module – II

ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting.

Module – III

EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system.

Module – IV

LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control

system- benefits & application, Impact of lighting, fixture types - free standing or portable, fixed, light fixture control. Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc.

Module – V

CASE STUDY

Study of projects based on different lighting concepts used in interiors and exteriors.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

S. Suggested Text/Reference Books:

1. Benjamin Evans, "Daylight in Architecture", McGraw-Hill Book Company, Newyork,

2. Pritchard, D.C., "Lighting", Longman Scientific & Technical, Harlow. CURRICULUM AND SYLLABUS B. Des (Interior Design) 49

3. Medan Mehta. James Johnson, Jorge Rocafort, “Architectural Acoustics: Principles and Design”, Prentice-Hall, New York,1998.

References:

- The Art of living- Randall whitehead,
- Lighting design, source book- Randall whitehead,
- Light right- M.K.Halpeth, T.Senthil kumar, G.Harikumar
- Concepts of lighting, Lighting design in Architecture- Torquil Barker

T. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

271.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
272.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
273.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
274.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
275.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
276.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
277.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
278.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
279.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
280.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
281.	mercury, halogen and neon. Different types of lights in interior and exterior - task	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
282.	lighting, special purpose lighting. Calculation of artificial lighting, guidelines for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

283.	lighting design, Glare in artificial lighting.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
284.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
285.	mercury, halogen and neon. Different types of lights in interior and exterior - task	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
286.	lighting, special purpose lighting. Calculation of artificial lighting, guidelines for	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
287.	lighting design, Glare in artificial lighting.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
288.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
289.	EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
290.	complementary colour schemes, triadic and tetradic schemes, effects of color in	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
291.	different areas, color temperature, psychological effects of colour in interiors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
292.	factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
293.	system.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
294.	EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

295.	complementary colour schemes, triadic and tetradic schemes, effects of color in	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
296.	different areas, color temperature, psychological effects of colour in interiors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
297.	factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
298.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
299.	system- benefits & application, Impact of lighting, fixture types - free standing or	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
300.	portable, fixed, light fixture control. Lighting accessories-switches, sockets, fused	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
301.	connection units, lamp holders, ceiling roses etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
302.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
303.	system- benefits & application, Impact of lighting, fixture types - free standing or	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
304.	portable, fixed, light fixture control. Lighting accessories-switches, sockets, fused	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
305.	connection units, lamp holders, ceiling roses etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
306.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

307.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
308.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
309.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
310.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
311.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
312.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
313.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
314.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
315.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam

U. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light,																	

	different type of applications.																	
CO 02	To help the student understand day lighting and technology of artificial lighting.																	
CO 03	To equip the student to understand and successfully apply lighting techniques with colour effects.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2017-2018						
Class: BID VIII Semester						
Subject Name: BID 803 Lighting in Interiors		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
	Q.2a	What are the essential characteristics of cloud	3

CO1		computing?	
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID803 is level 2 for the academic year 2017-2018.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2017-2018

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Film and Television set design
Course Code : BID 804, Crédits : 03, Session :2017-2018(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

V. Course Outcomes: At the end of the course, students will be able to:

CO1: The assignments will present varied design challenges, allowing students to explore theatrical space and to practice developing skills that students can keep in their 'tool kit'.

CO2: By the end of the class, students will be able to communicate their stage designs via storyboards, sketches, orthographic drawings, models, and text. Course Notes Class will begin as an online course using zoom for class sessions.

CO3: Learning and teaching with the help of videos during class.To create awareness and provide exposure about the design potential in theatre & cinema set design to architecture students, to inculcate the ability to translate the requirements of the script to physical manifestations according to the traditions followed in the theatre & cinema industry.

W. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

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PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

X. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of	Description	Code	Weightage

Evaluation			**%**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

Y. Syllabus

Module – I Film and Society

Examination of the 20th century culture and society through film. Critical analysis of cultural and social conflicts are portrayed and worked out in popular films, and examination of how motion pictures create a window into modern society. Film as cultural text to better understand history and cultural manifestations.

Module – II History and Theater Film Set Design

Investigation the production methods, dramatic theory and conventions, and scene design of various performance media since the popularization of the motion picture, and how it has influenced all entertainment design in the 20th and 21st centuries.

Module – Graphic Design and Typography for Exhibit Design

Principles of layout for creating effective visual signage and explore the unique problems, technique, theory, and approaches of signage in film, theatre, and other forms of mediated exhibition. Introduction to the design applications for building signage.

Module – Set Design and Concept Wrap

Introduction to the basic concepts, through theory and practice, of scene design in theatre, film, and other fine arts and entertainment media. Students will learn how

to analyze scripts for proper scenery, how to conceptualize designs that will

translate into actual sets, and develop visual thinking within the creative process.

Module – Stage Design

Stage design process from inception to performance, script analysis, visual arts

analysis, research skills, and the application of principles and elements of design.

Understanding stage setting through language, color, and architectural analysis.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

• Model Making: Materials & Methods by David Neat

• Designer Drafting and Visualization, 2nd Edition by Patricia Woodbridge

• Theatrical Design & Production, 7th ed. by J. Michael Gilette (already purchased for

131/132ab)

• Sculpting Space in the Theater by Babak Ebrahimian

References:

• Baiche Bousmaha & Walliman Nicholas. Neufert Architect's data. Blackwell science ltd.

• Chiara De Joseph & crosbie.J.Michael. 1990. Time saver standards for building types.

McGraw Hill company

Z. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
316.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

317.	cultural and social conflicts are portrayed and worked out in popular films, and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
318.	examination of how motion pictures create a window into modern society. Film as	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
319.	cultural text to better understand history and cultural manifestations.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
320.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
321.	cultural and social conflicts are portrayed and worked out in popular films, and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
322.	examination of how motion pictures create a window into modern society. Film as	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
323.	cultural text to better understand history and cultural manifestations.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
324.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
325.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
326.	design of various performance media since the popularization of the motion picture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
327.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
328.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

329.	design of various performance media since the popularization of the motion picture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
330.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
331.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
332.	design of various performance media since the popularization of the motion picture,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
333.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
334.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
335.	problems, technique, theory, and approaches of signage in film, theatre, and other	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
336.	forms of mediated exhibition. Introduction to the design applications for building	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
337.	signage.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
338.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
339.	problems, technique, theory, and approaches of signage in film, theatre, and other	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
340.	forms of mediated exhibition. Introduction to the design applications for building	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

341.	signage.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
342.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
343.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
344.	theatre, film, and other fine arts and entertainment media. Students will learn how	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
345.	to analyze scripts for proper scenery, how to conceptualize designs that will	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
346.	translate into actual sets, and develop visual thinking within the creative process.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
347.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
348.	theatre, film, and other fine arts and entertainment media. Students will learn how	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
349.	to analyze scripts for proper scenery, how to conceptualize designs that will	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
350.	translate into actual sets, and develop visual thinking within the creative process.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
351.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
352.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam

353.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
354.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam
355.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam
356.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
357.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam
358.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam
359.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
360.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam

AA.Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light, different type of applications.																	

CO 02	To help the student understand day lighting and technology of artificial lighting.																
CO 03	To equip the student to understand and successfully apply lighting techniques with colour effects.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2017-2018						
Class: BID VIII Semester						
Subject Name: BID 804 Film and Television Set Design		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3

CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 804 is level 1 for the academic year 2017-2018.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2017-2018

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Vastushastra in Interior Design (Elective IV)
Course Code : BID 805, Crédits : 03, Session :2017-2018(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

BB. Course Outcomes: At the end of the course, students will be able to:

CO1: Illustrate the use of vastu shastra and develop skills for various vastu features. Students will learn various ways to style the Interiors with respect to vastu shastra and adapt that restricted space to the concepts of Vastu Shastra.

CO2: To focus on the presentational skills of the students to express their vastushastra

understanding.

CO3: To explore various aspects and elements of vastushastra involved in design field, their usage in day to day life and try their hands on different aspects of vastushastra.

CC. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

DD. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

EE. Syllabus

Module – I

INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;

Elements of Vastushastra based on directions and building materials

Module – II

PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,

Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,

Aesthetics of the building

Module – III

IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,

Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction

Module – IV

APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF

SPACES: Placement of various items- household accessories, arrangement of

furniture and furnishing, household equipment and materials; Use of Vastu

compass; Colors, color schemes - Monochromatic, analogous, complementary

colour schemes, vastu remedies for various spaces in residential spaces;

Psychological and Physiological effect of vastu application on home dwellers

Module – V

CASE STUDY

Study of projects based on the use of vastushastra in interior design.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

1. JC Chaudhary, "Fundamentals of Vastu book"

2. Robert E. Svoboda, "Vastu breathing life into space", 10 October, 2020

Reference:

- Vastu Secrets in Modern Times
- Vastu Shastra: A beginners guide for Interior Designers

FF. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
361.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
362.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
363.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
364.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
365.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

366.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
367.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
368.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
369.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
370.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
371.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
372.	Aesthetics of the building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
373.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
374.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
375.	Aesthetics of the building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
376.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

377.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
378.	Aesthetics of the building	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
379.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
380.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
381.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
382.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
383.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
384.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
385.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
386.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
387.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

388.	APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
389.	SPACES: Placement of various items- household accessories, arrangement of	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
390.	furniture and furnishing, household equipment and materials; Use of Vastu	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
391.	compass; Colors, color schemes - Monochromatic, analogous, complementary	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
392.	colour schemes, vastu remedies for various spaces in residential spaces;	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
393.	Psychological and Physiological effect of vastu application on home dwellers	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
394.	APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
395.	SPACES: Placement of various items- household accessories, arrangement of	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
396.	furniture and furnishing, household equipment and materials; Use of Vastu	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
397.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
398.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam

399.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
400.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
401.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
402.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
403.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
404.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
405.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam

GG. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Illustrate the use of vastu shastra and develop skills for various vastu features Students will learn various ways to style the Interiors with respect to vastu shastra and adapt that restricted space to the concepts of Vastu Shastra																	

CO 02	To focus on the presentational skills of the students to express their vastushastra understanding.																	
CO 03	To explore various aspects and elements of vastushastra involved in design field, their usage in day to day life and try their hands on different aspects of vastushastra.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2017-2018						
Class: BID VIII Semester						
Subject Name: BID 805 Vastushastra in Interior Design (Elective IV)		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 805 is level 1 for the academic year BID 2017-2018.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – IV
Course Code : BID 401, Credits : 06, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

- The course will use a mix of drawings, Presentations & hands on workshop. Particip encouraged to engage in active interaction through classroom participation.

A. Course Outcomes: At the end of the course, students will be able to:

CO1: The different types of exhibition and presentation spaces and the interior design requirements related to them.

CO2: the objective of the course is to introduce the students with the different types of exhibition and presentation spaces and the interior design requirements related to them.

CO3: The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%

End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. Syllabus

Module I: Design problem

Descriptors/Topics

The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

Module II: Space organization

Descriptors/Topics

Space organization in exhibition interiors, Surface treatments in interiors e.g. walls,

floors, ceilings etc.
Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors

Module III: Layout
Descriptors/Topics
Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design.
Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.**Examination Scheme:**

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] Drawing a Creative Process, Francis D.K. Ching

[2] Design Drawing + CD, Francis D.K. Ching

[3] Architecture Graphics, Francis D.K. Ching 4th Edition

[4] Interior design&space planning, Dechiara Pabero Zelnik

[5] Interior design illustrated, Francis D.K. Ching

[6] Graphic Interiors

[7] Space Designed by Graphic Artists, CorinaDean

[8] Home Plumbing (The David & Charles Manual of), Ernest Hall

[9] House Book (The Complete Guide to Home Design), Terence Conran

[10] Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

References:

- Architectural Graphic standards editor – Boaz Joseph

- Neufert's Architect's data
- Time Saver standards for building types, editor Joseph D.C. and John Callender.
- Kitchen & Bath, Montse Zapata
- Bed room, Lestey Taylor
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall

E. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
7.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

10.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Interior Design for specific ideas and select materials appropriate to intended	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
14.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
17.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
20.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	of materials that are available and their uses in interiors			
24.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsCase studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	requirements, finishes, furniture layout, basic services			
28.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

31.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Space organization in exhibition interiors, Surface	Lecture	CO2	Mid Term-2, Quiz & End Sem

	treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services			Exam
36.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
38.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc.	Lecture	CO2	Quiz & End Sem Exam

	Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
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41.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
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61.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of *exhibitions.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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81.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types *of materials that are available and their uses in interiors.*	Lecture	CO3	Quiz & End Sem Exam
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F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The different types of exhibition and presentation spaces and the interior design requirements related to them.	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-
CO 02	he objective of the course is to introduce the students with the different types of exhibition and presentation spaces and the interior design requirements related to them.																	
CO 03	The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-

	area of designing emerging in the modern world																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 401 Interior Design Studio – IV		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID401 is level 2 for the academic year.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :: Materials and Construction Techniques – III
Course Code : BID 402, Crédits : 03, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.

G. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize the students with advanced and speedy building techniques.
The understanding for the system to be adopted for the construction of large span structures.
CO2: To introduce and familiarize the students with advanced and speedy building techniques
CO3: The understanding for the system to be adopted for the construction of large span structures.

H. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

I. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

J. **Syllabus**

Module I: Reinforced Cement Concrete

Descriptors/Topics

Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability

Module II: Prefabrication

Descriptors/Topics
Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.

Module III: False Ceilings

Descriptors/Topics
Introduction to false ceiling with all kind of materials, types and fixing methods.
Module IV: Steel/ Aluminum/Pre-fabrication windows

Descriptors/Topics
Steel casement windows with fixtures, fittings and methods of fixing.

Module V: Glazing

Descriptors/Topics
Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.

Module VI: Miscellaneous finishes

Descriptors/Topics
Flyash, Ceramics, Plastics, Rubber,

Module VII: Commercial Interior, Office Interior, Industrial Interiors

Descriptors/Topics
Structural steel works, Portal Frame Construction Techniques and construction materials.**Design problem**

Descriptors/Topics

The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Interior design illustrated, Francis D.K. Ching

[3] House Book (The Complete Guide to Home Design), Terence Conran

[4] Masonry (Concrete, Brick, Stone), Christine Beall

[5] Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

References:

- **Window Fashion, Charles T. Randall**
- **Illustration + Perspectives (In Pantone Colors), Eiji Mitooka**
- **Elements of Architecture – Meiss Pieree Von**
- **Architecture: Form, Space and Order – Francis D.K. Ching**
- **The Construction of Building Vol- 1 to 5, R. Barry**
- **Building Construction, N.L. Arora &, B.R. Gupta**
- **Interior Detail – 1 (Residence), Jeong, Kwang Young**
- **Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group**

K. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
91.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
92.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
93.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
94.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and	Lecture	CO1	Mid Term-1, Quiz & End Sem

	reinforced Brick Concrete, Qualities and workability			Exam
95.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
96.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
97.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
98.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
99.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
100.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
101.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
102.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
103.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on –	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	site and off- site prefabrication, components etc.			
104.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
105.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
106.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
107.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
108.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
109.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
110.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

111.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
112.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
113.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
114.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
115.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
116.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
117.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
118.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
119.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
120.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
121.	Introduction to false ceiling with all kind of materials,	Lecture	CO2	Mid Term-

	types and fixing methods			2, Quiz & End Sem Exam
122.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
123.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
124.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
125.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
126.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
127.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
128.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
129.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
130.	Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.	Lecture	CO2	Quiz & End Sem Exam
131.	Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.	Lecture	CO2	Quiz & End Sem Exam
132.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
133.	Flyash, Ceramics, Plastics, Rubber	Lecture	CO2	Quiz & End Sem Exam
134.	Flyash, Ceramics, Plastics, Rubber	Lecture	CO2	Quiz & End Sem Exam
135.	Structural steel works, Portal Frame Construction Techniques and construction	Lecture	CO2	Quiz & End Sem

	materials.			Exam

L. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Familiarize the students with advanced and speedy building techniques. The understanding for the system to be adopted for the construction of large span structures.	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-
CO 02	To introduce and familiarize the students with advanced and speedy building techniques																	
CO 03	The understanding for the system to be adopted for the construction of large span structures.	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22		
Class: BID IV Semester		
Subject Name: BID 402 Materials and Construction Techniques – III	Time: 2 Hrs	Max. Marks: 10

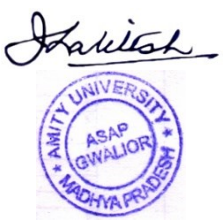
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 402 is level 2 for the academic year.



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Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Building Services - II (Electrical, Fire Fighting & Security)
Course Code : BID 403, Crédits : 03, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.

M. Course Outcomes: At the end of the course, students will be able to:

CO1:The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.

CO2: To initiate students into study of artificial and natural lighting

CO3: Introduction of fire regulations, firefighting equipment and life safety systems in terms of theory and its practical implementation in design.

N. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

O. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester	A	5%

	examination. The allowance of 25% includes all types of leaves including medical leaves.		
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

P. Syllabus

Module I: Natural/artificial lighting

Descriptors/Topics

Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting

Module II: Internal/ external wiring

Descriptors/Topics

Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.

Module III: Fire Regulations

Descriptors/Topics

Fire resistant and fire retardants materials and their application

Module IV: Firefighting Equipment

Descriptors/Topics

Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance.

Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.

Module V: Life Safety Systems

Descriptors/Topics

Intelligent interior consists of the use of high technology to maximize the

performance of fire alarms and security systems while at the same time minimizing

costs.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:Text Reading:

[1]

Air Conditioning, S. Shah

[2]

The Construction of Building Vol - 1 to 5, R. Barry

[3]

Drywall(Pro Tips for Hanging& Finishing), John D. Wagner

[4]

Graphic Interiors (Space Designed by Graphic Artists), Corina Dean

[5]

Interior design illustrated, Francis D.K. Ching

[6]

Graphic Interiors (Space Designed by Graphic Artists), Corina Dean

References:

- Building Construction, N.L. Arora &, B.R. Gupta
- Building Services, Anthony Rowley
- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

136.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
137.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
138.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
139.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
140.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
141.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

142.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
143.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
144.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
145.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
146.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
147.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
148.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

149.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
150.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
151.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
152.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
153.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
154.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
155.	Fire resistant and fire retardants materials and their application Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
156.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

157.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
158.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
159.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
160.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
161.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
162.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
163.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
164.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.			
165.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
166.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
167.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
168.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

169.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
170.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
171.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
172.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
173.	Intelligent interior consists of the use of high technology to maximize the	Lecture	CO2	Quiz & End Sem Exam

	performance of fire alarms and security systems while at the same time minimizing costs.			
174.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
175.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
176.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
177.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam

178.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
179.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
180.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam

Q. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-

	interaction through classroom participation.																
CO 02	To initiate student into study of artificial and natural lighting																
CO 03	introduction of fire regulations, firefighting equipment and life safety systems in terms of theory and its practical implementation in design.	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1 -

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID IV Semester						
Subject Name: BID 403 Building Services - II (Electrical, Fire Fighting & Security)		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
	Q.2a	What are the essential characteristics of cloud	3

CO1		computing?	
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 403 is level 2 for the academic year

AMITY UNIVERSITY ASAP GWALIOR MADHYA PRADESH

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

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PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
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	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Estimation, Specification & Costing
Course Code : BID 404, Crédits : 03, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student

with practical construction, measurement and debugging skills. Participants are encouraged to

engage in active interaction through classroom participation.

R. **Course Outcomes:** At the end of the course, students will be able to:
CO1:Student should be able to working out quantities schedule of rates and Bill of Quantities.
CO2:The objective of the course is to initiate into the theories and practices of estimation and surveying. In a project with the specification of the materials and quantities used along with their costing in the project of any kind either selected by the student or given by the college.

S. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

T. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester	A	5%

	examination. The allowance of 25% includes all types of leaves including medical leaves.		
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

U. Syllabus

Module I: Introduction

Descriptors/Topics

Introduction to estimation, Estimation calculations, types of calculation, special jobs

Module II: Specifications

Descriptors/Topics

Introduction to specifications and writing detailed specification for various building materials, building construction works.

Module III: B.O.Q

Descriptors/Topics

Fire resistant and fire retardants materials and their application

Module IV: Firefighting Equipment

Descriptors/Topics

Working out quantities schedule of rates and Bill of Quantiti

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] The Construction of Building Vol - 1 to 5, R. Barry

[2]

Building Construction,N.L. Arora &, B.R. Gupta

References:

- Design for Living
- R.L.BAWA, Boniface G. Fernandes
- Metric Hand book (Planning and Design)

Edited by David Alder

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
181.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
182.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
183.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
184.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
185.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
186.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
187.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

188.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
189.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
190.	Introduction to specifications and writing detailed specification for various building materials, building construction works.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
191.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
192.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
193.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
194.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
195.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
196.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

197.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
198.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
199.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
200.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
201.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
202.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
203.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
204.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
205.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
206.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

207.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
208.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
209.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
210.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
211.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
212.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
213.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
214.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
215.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
216.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

217.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
218.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
219.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
220.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
221.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
222.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
223.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
224.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
225.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam

V. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Student should be able to working out quantities schedule of rates and Bill of Quantities.	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-
CO 02	The objective of the course is to initiate into the theories and practices of estimation and surveying. In a project with the specification of the materials and quantities used along with their costing in the project of any kind either selected by the student or given by the college.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22		
Class: BID IV Semester		
Subject Name: BID 404 Interior Estimation, Specification & Costing	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 404 is level 1 for the academic year.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
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	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Workshop – III (Ceramics, metal and mural)
Course Code : BID 405, Crédits : 04, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student

with practical construction, measurement and debugging skills. Participants are encouraged to

engage in active interaction through classroom participation.

W. Course Outcomes: At the end of the course, students will be able to:

CO1:They are familiar with technology that is used to design ceramics metal and wall art work in construction market to design high-end products.

CO2: Ceramic, metal and mural designing course is a combination of creativity, science as well as technology.

CO3:The ceramic, metal and mural designing is an exclusive and creative course for students who want to study designing as well as engineering for open-end career options in Interior decoration.

CO4: The course, designed in a way that students learn technology for production of Glasses has advanced to designing in a way that is safe for environment and energy efficient.

CO5: The Glass and Ceramics based products, over the years have become luxurious and artistic with lightweight, energy-saving and wear-resistant ceramic products such as ceramic ceiling tiles, floor tiles, ceramic sanitary-wares, pottery, table-ware,ornamental-ware, biomedical implants, jeengine turbines, bullet-resistant vests etc.

X. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply

theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Y. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture

and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

Z. Syllabus

Module I: Introduction

Descriptors/Topics

Introduction to Ceramics and metal models ,wall paintings

Module II: Tools and techniques for hard material designing

Descriptors/Topics

Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco

Module III: Model making and manufacturing

Descriptors/Topics

Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1]

Things of Beauty Growing by Glenn Adamson, Glenn Adamson, MartinaDroth, Simon Olding [2]

Ceramics: Materials for InspirationalDesign (Interior and Industrial Design)

References:

- Design for Living
- R.L.BAWA, Boniface G. Fernandes

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
226.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
227.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
228.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
229.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
230.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
231.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
232.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

233.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
234.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
235.	Introduction to specifications and writing detailed specification for various building materials, building construction works.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
236.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
237.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
238.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
239.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
240.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
241.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

242.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
243.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
244.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
245.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
246.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
247.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
248.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
249.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

250.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
251.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
252.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
253.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
254.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
255.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
256.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

257.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
258.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
259.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
260.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
261.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
262.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
263.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam

264.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
265.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
266.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
267.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
268.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
269.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam

270.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
271.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
272.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
273.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
274.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
275.	Work within a variety of composite models of ceramics ,metals and hands on wall	Lecture	CO2	Quiz & End Sem Exam

	paintings in different mediums			
276.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
277.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
278.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
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280.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam

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282.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
283.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
284.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
285.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam

AA.Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	They are familiar with technology that is used to design ceramics metal and wall art work in construction market to design high-end products.	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-
CO 02	Ceramic, metal and mural designing course is a combination of creativity, science as well as technology.																	
CO 03	The ceramic, metal and mural designing is an exclusive and creative course for students who want to study designing as well as engineering for open-end career options in Interior decoration.	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-
CO 04	The course, designed in a way that students learn technology for production of Glasses has advanced to designing in a way																	

	that is safe for environment and energy efficient.																	
CO 05	The Glass and Ceramics based products, over the years have become luxurious and artistic with lightweight, energy-saving and wear-resistant ceramic products such as ceramic ceiling tiles, floor tiles, ceramic sanitary-wares, pottery, table-ware,ornamental-ware, biomedical implants, jeengine turbines, bullet-resistant vests etc.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 405 Workshop – III (Ceramics, metal and mural)		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating

Taxonomy						
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code bid 405 is level 2 for the academic year.

AMITY UNIVERSITY ASAP GWALIOR MADHYA PRADESH

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Product Design
Course Code : BID 406, Crédits : 02, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

BB. Course Outcomes: At the end of the course, students will be able to:

CO1: The students should be able to apply to develop a design solution by inter-relationship of various parameters through design process, gather data, analyze, synthesize.Provide design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology

Co2: To understand the inter-relationship of various parameters through design process, gather data, analyze, synthesize and apply to develop a design solution. **CO3 : T**o explore design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology

CO4: The primary objective of a design studio is to inculcate in a student the attitude of evolving a design process for herself/himself

B . Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

CC. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%

Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

DD. Syllabus

Module I: Redesigning a product - Design theory and methodology

Descriptors/Topics

Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.

Module II: Redesigning a product - Analysis and synthesis

Descriptors/Topics

Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation.

Module III: Contemporary Design - Product research and User survey

Descriptors/Topics

Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.

Module IV: Contemporary Design - Analysis of research study and concept Generation

Descriptors/Topics

Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials

Module V: Contemporary Design - Implementation and documentation

Descriptors/Topics

Model making / prototyping, Branding, packaging & product graphics, Final

presentation and documentation.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

- Product And Furniture Design The Manufacturing Guides By Rob Thompson, Thames&Hudson, 1st Edition,(2011)
- Handmade In India By M.P. Ranjan And Aditi Ranjan, Arihant Publications India Ltd., 1st Edition,(2008)

References:

- 50 Product Designs From Concept To Manufacture By Jennifer Hudson, Laurence King Publishing, 2nd Edition,(2008)
- The Design Of Everyday Things By Norman A Donald, Basic Books, 1st

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
286.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
287.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

288.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
289.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
290.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
291.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
292.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

293.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
294.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
295.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
296.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

297.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
298.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
299.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
300.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
301.	Case study and analytical approach on contemporary designers, Identification of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	area to design a product and research study, Building up design –brief, market and user survey.			
302.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
303.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
304.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
305.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
306.	Data analysis of market and user survey, Re-define design brief, Concept generation	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	with inclusion of ergonomics, form, manufacturing process, selectiPon of materials			
307.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
308.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
309.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
310.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
311.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

312.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
313.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
314.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
315.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

EE. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	The students should be able to apply to develop a design solution by inter-relationship of various parameters through design process, gather data, analyze, synthesize.Provide design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-
CO 02	To understand the inter-relationship of various parameters through design process, gather data, analyze, synthesize and apply to develop a design solution.																	
CO 03	**T**o explore design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-
CO 04	The primary objective of a design studio is to inculcate in a student the attitude of evolving a design process for herself/himself																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –IV) 2021-22

Class: BID IV Semester

Subject Name: BID 406 Product Design	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1

Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 406 is level 2 for the academic year.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2018-2019

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :Interior Landscape Design
Course Code : BID 407, Crédits : 02, Session :2018-19 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

FF. Course Outcomes: At the end of the course, students will be able to:

CO1:The knowledge of landscaping design parameters, landscape elements, plant materials etc. Use in the interiors effectively for aesthetic enhancement and visual comfort.

Co2: To develop a conceptual understanding of landscaping design parameters for various built forms.

CO3: To develop skills in integrating landscape design with built environments.
CO4:This course introduces students to the knowledge of landscaping design parameters, landscape elements, plant materials etc. to use in the interiors effectively for aesthetic enhancement and visual comfort.

CO5: Study of landscapes, their use in landscape. Introductions to design principals & methodology of landscape design

B . Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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problems from a human-cantered approach and apply this knowledge to design solutions.

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End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

HH. Syllabus

Module I: Introduction to landscape architecture

Descriptors/Topics

role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior

landscape.

Module II: Introduction to study of plants in relation to landscape design and interiors

Descriptors/Topics

Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.

Module III: Design with plants

Descriptors/Topics

Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment.

Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.

Module IV: Landscaping design parameters for various types of built forms

Descriptors/Topics

indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

- **Laurie, Michael, An Introduction to Landscape. 2nd edition, PrenticeHall, New Jersey, 1986.**
- **Trivedi. P.Prathiba. Beautiful Shrubs. Indian council of AgriculturalResearch.New Delhi, 1990.**
- **Hacheat, Blan. PlantDesign.**

References:

- **Gerald Robert Vizenor , A Guide to Interior Landscapes, Univ of Minnesota Press, 1990.**
- **NelsonHammer and Mel Green, Interior Landscape Design, Mc Graw Hill, 1991**

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
316.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
317.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

318.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
319.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
320.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
321.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
322.	role of landscaping design in the built environment. Types of natural elements –	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.			
323.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
324.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
325.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium)	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.			
326.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
327.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
328.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.			
329.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
330.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	feature and grouping them into meaningful composition s for visual and functional effects.			
331.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
332.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
333.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
334.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
335.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
336.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
337.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
338.	Basic principles of designs. The physical attribute of plants and relation to design.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
339.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

340.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
341.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

342.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
343.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

344.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
345.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

II. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO 01	**The knowledge of landscaping design parameters, landscape elements, plant materials etc. Use in the interiors effectively for aesthetic enhancement and visual comfort.**	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-
CO 02	To develop a conceptual understanding of landscaping design parameters for various built forms.																	
CO 03	To develop skills in integrating landscape design with built environments.	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-
CO 04	This course introduces students to the knowledge of landscaping design parameters, landscape elements, plant materials etc. to use in the interiors effectively for aesthetic enhancement and																	

	visual comfort.																	
CO 05	Study of landscapes, their use in landscape. Introductions to design principals & methodology of landscape design																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 407 Interior Landscape Design		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 407 is level 2 for the academic year.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Materials and Construction Techniques - II
Course Code : BID 301, Crédits : 06, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.

B. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize the students with different building materials and construction techniques.

CO2: The objective of the course is to provide a clear understanding about the design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.

CO3: It enables the students to understand the requirement of designing any interiors.

C. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/V/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester VIVA VOCE	VV	70%
Total			**100%**

E. Syllabus

Module I: Interior Design

Interior Design for Play school/ Kindergarten/Nursery school (institutional/training & development building) for a maximum number of students up to 150. For a built-up space up to 500 sqm with all the required facilities in terms of infrastructure and services.

Module II: Interior in institutional building

Space organization in interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc., Different types of materials that are available and their uses in interiors.

Module III: Interior in institutional building

Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D views to understand the space design.

Module IV: Interior Model

Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

- Drawing a Creative Process, Francis D.K. Ching
- Design Drawing + CD, Francis D.K. Ching
- Architecture Graphics, Francis D.K. Ching 4th Edition
- Interior design & space planning, Dechiara Pabero Zelnik
- Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

References:

- Architectural Graphic standards, Boaz Joseph
- Neufert's Architect's data
- Time Saver standards for building types, Joseph D.C. and John Callender.
- Kitchen & Bath, Montse Zapata
- Bed room, Lestey Taylor
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

1.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*a built-up space up to 500 sqm with all the required facilities in terms of*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Interior Design for Play school/ Kindergarten/Nursery	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	school (institutional/			
18.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

34.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Interior details in terms of lighting, services, interior landscape etc., Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
38.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
39.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
40.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
41.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
42.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
43.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
44.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
45.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
46.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D views to understand the	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	space design.			
47.	Layout and Constructional details of furniture units, Application of color, texture,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
48.	pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
49.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
50.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
51.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
52.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
53.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
54.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
55.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
56.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
57.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
58.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
59.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
60.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
61.	*views to understand the space design.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
62.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

63.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
64.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
65.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
66.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
67.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
68.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
69.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
70.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
71.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
72.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
73.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
74.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
75.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
76.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

77.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
78.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
79.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
80.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
81.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
82.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
83.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
84.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
85.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
86.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
87.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
88.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
89.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
90.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Familiarize the students with different building materials and construction techniques.	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-
CO 02	The objective of the course is to provide a clear understanding about the design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.																	
CO 03	It enables the students to understand the requirement of designing any interiors.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VII) 2019-2020						
Class: BID III Semester						
Subject Name: BID 301 Interior Design Studio– III		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 301 is level 3 for the academic year 2019-2020.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Materials and Construction Techniques - II
Course Code : BID 302, Crédits : 03, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

I. **Introduction:** To introduce and familiarize the students with different building materials and construction techniques. The understanding for the system to be adopted for the construction of different types buildings.

J. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Apply knowledge of construction material, methods, and process to transform idea in to design;

CO2: Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;

CO3: Compare different design suiting the purpose/function and principles of design;

K. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

L. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Viva-Voce/Quiz/Assignment	S/V/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester Examination	EE	70%

Examination			
Total			**100%**

M. Syllabus

Module I: Materials

Wood, Timber, Bamboo, All types of wooden products.

Module II: Construction

Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes.

Module III: Construction

Introduction to fully glazed windows and ventilator details of joints etc. Fixed glass and timber louvered windows, Elementary carpentry, common joints, details of ledged and Batten Doors.

Module IV: Space Partitions

Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.

Module V: Storage cabinets

Different Types, materials, different construction details with fixing details.

N. Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

O. Suggested Text/Reference Books:

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching
- The Construction of Building Vol- 1 to 5, R. Barry
- Building Construction, N.L. Arora &, B.R. Gupta
- Interior Detail – 1 (Residence), Jeong, Kwang Young
- Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group
- A Visual Dictionary of Architecture, Francis D.K. Ching
- Interior design illustrated, Francis D.K. Ching
- House Book (The Complete Guide to Home Design), Terence Conran
- Masonry (Concrete, Brick, Stone), Christine Beall
- Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

P. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
1	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

2	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

	paneled single and double doors of various types and sizes			
17	**Construction**	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19	**Construction**	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25	**Construction**	Lecture	CO2	Mid Term-2, Quiz

				& End Sem Exam
26	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28	Introduction to fully glazed windows and ventilator details of joints etc. Fixed glass and timber louvered windows, Elementary carpentry, common joints, details of ledged and Batten Doors.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30	**Space Partitions**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz

				& End Sem Exam
35	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
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38	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
39	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

45	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

Q. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Engineering and Technology Department of Computer Science and Engineering I MID-SEMESTER (SEM –VII) 2019-2020
Class: B.Tech.(CSE) VII Semester

Subject Name: BID 302 Materials and Construction Techniques - II		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome

attainment of the course BID/Course code BID 302 is level 2 for the academic year 2019-2020.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Building Interior Services – I (Plumbing & Sanitation)
Course Code : BID 303, Crédits : 03, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

R. **Introduction:** To Familiarize the students with different building materials and construction techniques.

S. **Course Outcomes:** At the end of the course, students will be able to:
CO1: Students will learn the Water Supply, Sanitation, and waste water disposal system in a building as part of the building services.
CO2: The objective of the course is to provide a clear understanding about the Water Supply, know the latest market trends and requirements.
CO3: Sanitation and waste water disposal system in a building as part of the building services and know the latest market trends and requirements.

T. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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End Semester	End Semester Examination	EE	70%

Examination			
Total			**100%**

V. Syllabus

Module I: Introduction to Building Services

Introduction to Building Services emphasis on Water Supply, Sanitation and Drainage, Water supply and distribution system at building level taking two-story building as example.

Module II: Sanitation disposal

Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level, Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report

Module III: Piping system

Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.

Module IV: Water storage

Underground, overhead and internal storage tanks and supply lines.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

W. Suggested Text/Reference Books:

X. Home Plumbing The David & Charles Manual, Ernest Hall
Y. Water Supply & Sanitation, Charanjit S. Shah
Z. The Construction of Building Vol - 1 to 5, R. Barry
AA. Building Construction, N.L. Arora &, B.R. Gupta
BB. The Books of Kitchens, Anthony Rowley

References:

- The Construction of Building Vol- 1 to 5, R. Barry
- Building Construction, N.L. Arora &, B.R. Gupta
- Interior Detail – 1 (Residence), Jeong, Kwang Young
- Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

CC. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
1	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	Introduction to Building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Services emphasis on Water Supply			
3	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	*Introduction to Building Services emphasis on Water Supply*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

11	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

19	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

28	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33	Toilet & Kitchen layout of a residential building with sanitary fitting	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	& Fixture, Market survey of all the sanitary products and presentation in form of report			
34	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
38	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings,	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	materials, size and classification.			
39	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
45	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

DD. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	Students will learn the Water Supply, Sanitation, and waste water disposal system in a building as part of the building services.	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-
CO 02	The objective of the course is to provide a clear understanding about the Water Supply, know the latest market trends and requirements.																	
CO 03	Sanitation and waste water disposal system in a building as part of the building services and know the latest market trends and requirements.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2019-2020						
Class: B.Tech.(CSE) III Semester						
Subject Name: BID 303 Building Interior Services - I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3

CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 303 is level 2 for the academic year 2019-2020.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Photography
Course Code : BID 304, Crédits : 02, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. Introduction: To Familiarize the students to develop a basic sense of visual perception for students through observation of composition, color and light interaction, shades and shadows and positive and negative space relationship.

B. Course Outcomes: At the end of the course, students will be able to:
CO1: Development of fundamental and technical capabilities necessary for photography.
CO2: To develop competency in basic photographic techniques required for Interior Design.
CO3: The course is skill based and practical involving the development of fundamental and technical capabilities necessary for photography.
CO4: It enables students to see things, analyze them and express them in a strong visual form.

C. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to

meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S//Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester	VV	70%

Examination	Viva-Voce		
Total			**100%**

E. Syllabus

Module I: Introduction

the basic principles of photography and photographic equipment Analog and digital photography. Types of cameras. Understanding of the camera, its various parts and controls. Lenses, sensors, scanners, shutter speeds and movement, focus and aperture, choice of exposure, changing focal length, flash and its control, light conditions, light compensation. Accessories - studio equipment, tripod, flashlight, lens filters, hood, adapters, grid screen, memory cards, batteries and rechargeable etc., use of fixed focal lenses, black and white negative films.

Module II: Techniques

Seeing and photographing, using the view finder, framing up, creating a point of emphasis, picking lighting conditions, pattern, texture and shape, color etc.

Module III: Lighting in photography

Quality and quantity, soft and hard, lighting direction, color temperature in camera meters, incident light meters, flash meters, using studio lights, number of lights, types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters, shift lens, daylight, artificial light, mixed light, simple setups for adding light, multiple light sources etc.

Module IV: Digital photography

introduction to digital photography tools, different aspects of taking images, steps in image processing, editing techniques, sequencing, image manipulation using a computer, storage formats, printing digital files, presentation of photographs.

Module IV: Interior photography

Analysis of subject and content, perspective – vanishing points, distortion, converging verticals, usage of shift lens, camera position, picture format, image frame and composition – stationery surrounding objects, moving objects. Shooting parameters – shutter speed, aperture, light sensitivity, exposure, shadows and reflections.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

Scott Kelby, The Digital Photography Book, peachpit press, 1st edition,2006.
Tom Grimme & Michelle Grimme, The Basic Book of Photography, 5th ed., Plume, 2003.
Eric Roth, Interior Photography: Lighting and Other Professional Techniques with Style, Amphoto
Books; illustrated edition , 2005
Julius Shulman & Richard Neutra, Photographing Architecture and Interiors, Balcony Press, 1st edition,
2000.
Michael Harris, Professional Interior Photography, Focal press publishers, third edition, 2003

References:

Philip Andrews & Michael Langford, Langford"s starting photography: A guide to better pictures for film
and digital camera users, Focal press publishers, 4th edition, 2005.
John Freeman, Lighting for Interiors, Rotovision publishers, illustrated edition, 2002.
Bryan Peterson, Understanding close-up photography: Creative close encounters with or without a
macro lens, Amphoto Books publishers, illustrated edition, 2009.

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1	the basic principles of photography and photographic equipment Analog and digital	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	photography. Types of cameras. Understanding of the camera, its various parts and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	controls. Lenses, sensors, scanners, shutter speeds and movement, focus and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	*aperture, choice of exposure, changing focal length, flash and its control, light*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	conditions, light compensation. Accessories - studio equipment, tripod, flashlight,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	lens filters, hood, adapters, grid screen, memory cards, batteries and rechargeable	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	etc., use of fixed focal lenses, black and white negative films.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
8	the basic principles of photography and photographic equipment Analog and digital	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
9	photography. Types of cameras. Understanding of the camera, its various parts and	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
10	controls. Lenses, sensors, scanners, shutter speeds and movement, focus and	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
11	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

12	emphasis, picking lighting conditions, pattern, texture and shape, color etc.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
13	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
14	emphasis, picking lighting conditions, pattern, texture and shape, color etc.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
15	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16	quality and quantity, soft and hard, lighting direction, color temperature in camera	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
17	meters, incident light meters, flash meters, using studio lights, number of lights,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
18	types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
19	shift lens, daylight, artificial light, mixed light, simple setups for adding light,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
20	multiple light sources etc.	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
21	quality and quantity, soft and hard, lighting direction, color temperature in camera	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
22	meters, incident light meters, flash meters, using studio lights, number of lights,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
23	types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
24	shift lens, daylight, artificial light, mixed light, simple setups for adding light,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
25	multiple light sources etc.	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
26	introduction to digital photography tools, different aspects of taking images, steps in	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam

27	image processing, editing techniques, sequencing, image manipulation using a	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
28	computer, storage formats, printing digital files, presentation of photographs.	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
29	Analysis of subject and content, perspective – vanishing points, distortion,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
30	converging verticals, usage of shift lens, camera position, picture format, image	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Development of fundamental and technical capabilities necessary for photography.	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-
CO 02	To develop competency in basic photographic techniques required for Interior Design.																	
CO 03	The course is skill based and practical involving the development of fundamental and technical capabilities necessary for photography.	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-
CO 04	It enables students to see things, analyze them and express them in a strong visual form.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2019-2020						
Class: B.Tech.(CSE) III Semester						
Subject Name: BID 304 Photography		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO4	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO4	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2

Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 304 is level 2 for the academic year 2019-2020.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Computer Applications – II
Course Code : BID 305, Crédits : 02, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

EE. Introduction: To Familiarize the students for developing basic understanding of software assisting in 2-D & 3-Dimensional design.

FF. Course Outcomes: At the end of the course, students will be able to:

CO1: To develop an understanding of software assisting in 3-Dimensional design.
CO2: Introduction to the use and application of Internet.
CO3: Learning software i.e., Auto Cad, Coral Draw and Adobe and Photoshop.

GG. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

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PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and

indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

HH. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S//Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Viva-Voce	VV	70%
Total			**100%**

II. Syllabus

Module I: Understanding AUTOCAD – 3D

3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.

Module II: 3D Surfaces and Solids

3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.

Module III: Viewports and Views

Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility

Module IV: Using 3-D SOFTWARES

3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

JJ. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching
- Creative Interiors (Design of Enclosed Space), Shashi Jain
- Computers in Interior Design, A.K. Sinha

References:

- Architecture and computer, Ram Malhotra
- CAD and Interiors, B.K. Jain

KK. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned *space, Creating of 2D.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

5	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
8	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
9	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
10	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
11	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
12	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
13	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
14	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
15	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
17	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam

18	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
19	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
20	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
21	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
22	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
23	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
24	3-D and other related software for developing exterior and interior surfaces and spaces and creating,walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
25	3-D and other related software for developing exterior and interior surfaces and spaces and creating,walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
26	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
27	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

28	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
29	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
30	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

LL. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	To develop an understanding of software assisting in 3-Dimensional design.	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-
CO 02	Introduction to the use and application of Internet.																	
CO 03	Learning software i.e., Auto Cad, Coral Draw and Adobe and Photoshop.																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –III) 2019-2020

Class: B.Tech.(CSE) III Semester

Subject Name: BID 305 Computer Applications – II	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 305 is level 2 for the academic year 2019-2020.

AMITY UNIVERSITY ASAP GWALIOR MADHYA PRADESH

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Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : History of Interior Design – III
Course Code : BID 306, Crédits : 03, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

MM. Introduction: The past trends of interior design development over the periods. Learn the development methods and forces to get a clear view of changing design and ideas.

NN. Course Outcomes: At the end of the course, students will be able to:

CO1: The past trends of interior design development over the periods

CO2: Learn the development methods and forces to get a clear view of changing design and ideas.

CO3: The past trends of interior design development over the periods Learn the development methods and forces to get a clear view of changing design and ideas.

OO. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Viva-Voce/Assignment	S/VV/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

QQ. Syllabus

Module I: INDUSTRIAL REVOLUTION

The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style

Module II: THE VICTORIAN ERA

Mansions, middle class houses, Aesthetic movements ,Art and craft movements, Eclecticism

Module III: EMERGENCE OF MODERNISM

Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism

Module IV: THE INTERNATIONAL STYLE AND POST MODERNISM

Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs

Module IV: CONTEMPRORY DESIGN ON A NEW PLAYFEILD

Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

RR. Suggested Text/Reference Books:

- The History of Arch. in India, Chrictophes Tadgell
- Interior design & space planning, Dechiara Pabero Zelnik
- Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The Best Interior India, Anuradha Mahindra
- Indian Interior, Angelika Taschen

SS. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	The impact of industrial revolution, Regency, Revival,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Federal style ,Colonial style			
7.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

	other ism			
19.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Bio morphism ,High tech	Lecture	CO3	Mid Term-2, Quiz

	,Functional deconstructivism ,Color craftmanship			& End Sem Exam
33.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
38.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
39.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
45.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

TT. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PSO1	PSO2	PSO3	PS04	PS05

		1	2	3	4	5	6	7	8	9	10	11	12					
CO 01	The past trends of interior design development over the periods	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-
CO 02	Learn the development methods and forces to get a clear view of changing design and ideas.																	
CO 03	The past trends of interior design development over the periods Learn the development methods and forces to get a clear view of changing design and ideas.	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2019-2020						
Class: BID III Semester						
Subject Name: BID 306 History of Interior Design – III		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
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Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 306 is level 2 for the academic year 2019-2020.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2019-2020

Program Outcomes:

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If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
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	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
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	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
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	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
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IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
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	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
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	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
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	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
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	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : PSYCOLOGY OF LIVING ENVIRONMENTS
Course Code : BID 307, Crédits : 03, Session :2019-2020(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

UU. Introduction: The student will learn to interpret the link between architectural study and psychology. Human beings are in constant interaction with the environment .With the growth of civilization men are making more artificial environments and interior designer play a significant role in this process .

VV. Course Outcomes: At the end of the course, students will be able to:

CO1: Role of interior designer in the in the interaction of environment and psychology and acquaint the students with some fundamental aspects of environmental psychology in relation to interior designing.

CO2: The objective of this course is designed to accquint the students with some fundamental aspects of environmental psychology in relation to interior designing.

WW. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

XX. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Viva-Voce/Assignment	S/VV/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

YY. Syllabus

Module I: INTRODUCTION TO ENVIRONMENTAL PSYCOLOGY

Emergence as a discipline, importance in interior, basic principles of psychology , correspondence relevance in design of built environment.

Module II: ENVIRONMENT AND HUMAN RESPONSE

Behavioural response to built and unbuilt environment, Responses to environment, environmental perception, spatial cognition, comfort, anthropometrics.

Module III: APPLICATION IN DIFFERENT ENVIRONMENTS

Deign of spaces for occupants of various ages, gender, uses. (educational ,city spaces ,interiors, religious ,recreational etc)

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

ZZ. Suggested Text/Reference Books:

Kopec D ENVIRONMENTAL PSYCOLOGY FOR DESIGN
Amos Rapaport – the meaning of built environment

AAA. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
46.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
47.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
48.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
49.	Emergence as a discipline ,importance in interior , basic principles of psychology *, correspondence relevance in design of built environment .*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
50.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
51.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
52.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
53.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
54.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
55.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
56.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
57.	Emergence as a discipline	Lecture	CO1	Mid Term-1, Quiz

	,importance in interior , basic principles of psychology			& End Sem Exam
58.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
59.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
60.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
61.	Behavioural response to built and unbuilt environment ,Responses to environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
62.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
63.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
64.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
65.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
66.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
67.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
68.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
69.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
70.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
71.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
72.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
73.	environment , environmental perception ,spatial cognition	Lecture	CO2	Mid Term-2, Quiz

	,comfort ,anthropometrics .			& End Sem Exam
74.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
75.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
76.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
77.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
78.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
79.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
80.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
81.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
82.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
83.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
84.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	,interiors ,religious , recreational etc)			
85.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
86.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
87.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
88.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
89.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
90.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

BBB. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Role of interior designer in the in the interaction of environment and psychology and	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-

	acquaint the students with some fundamental aspects of environmental psychology in relation to interior designing.																	
CO 02	The objective of this course is designed to accquint the students with some fundamental aspects of environmental psychology in relation to interior designing.	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2019-2020						
Class: BID III Semester						
Subject Name: BID 307 Psycology Of Living Environments		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 307 is level 2 for the academic year 2019-2020.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
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	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – II
Course Code : BID 201, Crédits : 05, Session :2020-2021(Odd Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The course is to provide a clear understanding about the design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies. The course will use a mix of drawings, case study and sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation

B. **Course Outcomes:** At the end of the course, students will be able to:
CO1: The design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies.
CO2: The visual design in an interior space with color schemes, textures, light, shadow etc.
CO3: The exercise to be executed in this course enable the students to design the space interiors for a two-storey building with the required services, infrastructure, furniture layout, circulation, open-built and exterior-interior relationship in and around the plot boundaries.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization

into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25%	A	5%

	includes all types of leaves including medical leaves.		
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: Design problem

Introduction to design problem with the methodology to proceed with the concept, Case studies and data collection through primary and secondary sources, Formulation of concept with client's requirements.

Module II: Design aspects

Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services (teaching parallel in BID 1207, Building Services and Fixtures -water supply and sanitation)

Module III: Design Exercise

Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm. Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc. **Examination Scheme:**

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von

- Architecture: Form, Space and Order, Francis D.K. Ching

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

12.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Case studies and data	Lecture	CO1	Mid Term-

	collection through primary and secondary sources			2, Quiz & End Sem Exam
25.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Design the interior keeping in view – the basic structural requirements,	Lecture	CO2	Mid Term-2, Quiz & End Sem

	finishes, furniture layout, basic services			Exam
35.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
38.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
39.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
40.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living	Lecture	CO2	Quiz & End Sem Exam

	or floating) on a plot size of minimum 500sqm.			
41.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
42.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
43.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
44.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
45.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
46.	Design should be presented in 3D drawings (perspectives, axonometric,	Lecture	CO2	Quiz & End Sem Exam

	isometric views) rendered with textures, colors, patterns etc.			
47.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
48.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
49.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
50.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
51.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
52.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
53.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
54.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

55.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
56.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
57.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
58.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
59.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
60.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
61.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
62.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
63.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

64.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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67.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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71.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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75.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –II) 2020-2021

Class: BID II Semester

Subject Name: BID 201 Interior Design Studio – II	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2

Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code 201 is level 2 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

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PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : MATERIALS &CONSTRUCTION TECHNIQUES-I
Course Code : BID 202, Crédits : 03, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

I. **Introduction:** The course will use a mix of drawings, case study and sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation. The students should be able to learn: construction properties and cases of traditional building materials used in construction.

J. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The students should be able to learn: construction properties and cases of traditional building materials used in construction.

CO2: To familiarize the students with construction properties and cases of traditional building materials used in construction.

CO3: To understand the use of these traditional building materials in simple building works.

K. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

L. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%

End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

M. Syllabus

Module I: Material

Mud and Clay Products: Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.

Module II: Material

Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic

Module III: Construction

Element of building: Terminology, nomenclature if various parts of building from

foundation to roof.

Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions.

Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling

Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond

etc.

Module III: Construction

Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design criteria, Foundation for load bearing walls of various thicknesses.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Interior design illustrated, Francis D.K. Ching

[3] House Book (The Complete Guide to Home Design), Terence Conran

[4] Masonry (Concrete, Brick, Stone), Christine Beall

[5] MetricHandbook (Planning&Design Data) 2nd Ed. Edited By, David Adler

References:

N. • Window Fashion, Charles T. Randall

O. • Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
P. • Elements of Architecture, Meiss Pieree Von
Q. • Architecture: Form, Space andOrder, Francis D.K. Ching
R. • The Construction of Building Vol- 1 to 5, R. Barry
S. • Building Construction,N.L. Arora &, B.R. Gupta
T. • InteriorDetail – 1 (Residence), Jeong, Kwang Young
U. • Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
76.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
77.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
78.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
79.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
80.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
81.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
82.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
83.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

84.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
85.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
86.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
87.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
88.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
89.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
90.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete:	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.			
91.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood, timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
92.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
93.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
94.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
95.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
96.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
97.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
98.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
99.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
100.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
101.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

102.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
103.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
104.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
105.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			
106.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
107.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
108.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			
109.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
110.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
111.	Element of building: Terminology, nomenclature	Lecture	CO3	Mid Term-2, Quiz &

	if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			End Sem Exam
112.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Quiz & End Sem Exam
113.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design criteria, Foundation for load bearing walls of various thicknesses.	Lecture	CO3	Quiz & End Sem Exam
114.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design	Lecture	CO3	Quiz & End Sem Exam

	criteria, Foundation for load bearing walls of various thicknesses.			
115.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar	Lecture	CO3	Quiz & End Sem Exam
116.	Stone Work.	Lecture	CO3	Quiz & End Sem Exam
117.	Foundation: Need, Design criteria, Foundation for load bearing walls of various	Lecture	CO3	Quiz & End Sem Exam
118.	thicknesses.	Lecture	CO3	Quiz & End Sem Exam
119.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar	Lecture	CO3	Quiz & End Sem Exam
120.	Stone Work.	Lecture	CO3	Quiz & End Sem Exam

V. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The students should be able to learn: construction properties and cases of traditional building materials used in construction	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	

CO 02	To familiarize the students with construction properties and cases of traditional building materials used in construction.																	
CO 03	To understand the use of these traditional building materials in simple building works.																	

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 202 Material & Construction – I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 202 Is level 01 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX																					
SEM	**SUBJECT CODE**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PO 13**	**PO 14**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 5**	**PSO 6**
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
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II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-

	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
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	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
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	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
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VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
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	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
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	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : BASIC DESIGN AND VISUAL ART-II
Course Code : BID 203, Crédits : 03, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

W. Introduction: The course will use a mix of drawings, sketching & hands on exercise.

X. Participants are encouraged to engage in active interaction through classroom participation

Y. Course Outcomes: At the end of the course, students will be able to:

CO1: The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.

CO2: The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.

Z. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%

End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

BB. Syllabus

Module I: Graphical representation

Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.

Module II: graphics and coloring

Models, 3-D forms: free standing paper models representing motives, shapes

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

CC. Suggested Text/Reference Books:

1] A Visual Dictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Interior design illustrated, Francis D.K. Ching

[4] Home Plumbing (The David & Charles Manual of), Ernest Hall

[5] House Book (The Complete Guide to Home Design), Terence Conran

[6] Architecture: Form, Space and Order Francis D.K. Ching

References:

References: • Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mistook
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

DD. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
121.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
122.	Graphical representation of furniture, human figures	Lecture	CO1	Mid Term-1, Quiz &

	in D2 & D3, Rendering techniques for textures, materials, finishes etc.			End Sem Exam
123.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
124.	*Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
125.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
126.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
127.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
128.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
129.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
130.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
131.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
132.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
133.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
134.	Graphical representation of furniture, human figures in D2 &	Lecture	CO1	Mid Term-1, Quiz &

	D3, Rendering techniques for textures, materials, finishes etc.			End Sem Exam
135.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
136.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
137.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
138.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
139.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
140.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
141.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
142.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
143.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
144.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
145.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
146.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem

				Exam
147.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
148.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
149.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
150.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
151.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
152.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
153.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
154.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
155.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
156.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
157.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
158.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
159.	Models, 3-D forms: free standing paper models	Lecture	CO2	Quiz &

	representing motives, shapes			End Sem Exam
160.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
161.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
162.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
163.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
164.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
165.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam

EE. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1

CO 02	The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 203 Basic Design & Visual Arts II		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3

CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code BID 203 is level 2 for the academic year 2020-2021.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
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	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
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IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
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VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
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	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Drawing Techniques II
Course Code : BID 204, Crédits : 03, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

FF. Introduction: The course will use a mix of drawings, sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation

GG. Course Outcomes: At the end of the course, students will be able to:

CO1: The drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional spaces.

CO2: The objective of this course is to provide a clear understanding about the drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional space.

HH. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

II. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

JJ. Syllabus

Module I: Perspective

Perspective view – one point and two-point, Perspective of Interiors

Module II: Shades and shadows

Shades and shadows / Coloring of Perspective with Rendering, Different material

and mediums of Rendering

Module II: Free hand perspectives

Free hand perspectives.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

KK. Suggested Text/Reference Books:

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Interior design illustrated, FrancisD.K.Ching

[4] Home Plumbing (The David & Charles Manual of), Ernest Hall

[5] House Book (The Complete Guide to Home Design), Terence Conran

[6] Architecture: Form, Space and Order, Francis D.K. Ching

References:

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
166.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

167.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
168.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
169.	*Perspective view – one point and two-point, Perspective of Interiors*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
170.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
171.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
172.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
173.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
174.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
175.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
176.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
177.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
178.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
179.	Shades and shadows / Coloring of Perspective with Rendering,	Lecture	CO1	Mid Term-

	Different material and mediums of Rendering			1, Quiz & End Sem Exam
180.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
181.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
182.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
183.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
184.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
185.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
186.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
187.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
188.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
189.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
190.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
191.	Shades and shadows / Coloring of Perspective with Rendering,	Lecture	CO2	Mid Term-2, Quiz &

	Different material and mediums of Rendering			End Sem Exam
192.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
193.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
194.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
195.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
196.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
197.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
198.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
199.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
200.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
201.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
202.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
203.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam

204.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
205.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
206.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
207.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
208.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
209.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
210.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam

LL. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional spaces.	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	
CO 02	The objective of this course is to provide a clear understanding about the drawing techniques and rendering																	

	techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional space.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 204 Drawing Techniques II		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 204 is level 2 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
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	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
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	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
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	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
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	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
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VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
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	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Computer Applications - I
Course Code : BID 205, Crédits : 02, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

MM. **Introduction:** The course will use a mix of computer drawings and tutorial. Participants are encouraged to engage in active interaction through classroom participation.

NN. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Students should be able to make drawings by using various computer hardware and software used in interior designing.

CO2: The objective of the course is to provide knowledge about the various computer and software used in interior designing.

OO. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

PP. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

QQ. Syllabus

Module I: Introduction

Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made

Module II: Shapes and Figures

Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.

Module III: : Use of photo editing Software

Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

RR. Suggested Text/Reference Books:

1] A Visual Dictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Computers in Interior Design, A.K. Sinha

References:

- Architecture and computer

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
211.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
212.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	be made.			
213.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
214.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
215.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
216.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
217.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
218.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
219.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
220.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
221.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
222.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and	Lecture	CO1	Mid Term-1, Quiz & End Sem

	Photoshop software and their application.			Exam
223.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
224.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
225.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
226.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
227.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
228.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
229.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
230.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
231.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
232.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
233.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

234.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
235.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
236.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
237.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
238.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
239.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
240.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

SS. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Students should be able to make drawings by using various computer hardware and software used in interior designing.	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-

CO 02	The objective of the course is to provide knowledge about the various computer and software used in interior designing.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 205 Computer Applications - I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 205 is level 3 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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Program Specific Outcome:

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PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
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	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
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	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
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	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
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	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
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	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
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VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : : History of Interior Design – II
Course Code : BID 206, Crédits : 02, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

TT. Introduction: The course will use a mix of presentation, sketching and case study. Participants are encouraged to engage in active interaction through classroom participation

UU. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize with the different culture, society, and their style of living, which affects the internal part of their buildings over different periods.

CO2: The objective of the course is to introduce the students with the changes occurred in the past with the time. Familiarize with the different culture, society and their style of living, which effects the internal part of their buildings over different periods.

VV. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester	EE	70%

Examination	(Viva-Voce)		
Total			**100%**

XX. Syllabus

Module I: THE DARK AGES

Early Christian ,Byzantine ,Romanesque ,Gothic interiors

Module II: ISLAMIC AND ASIAN TRADITION

Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .

Module III: : RENAISSANCE

Early renaissance ,High renaissance ,Mannerism

,Baroque and Rococo

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

YY. Suggested Text/Reference Books:

[1] The History of Arch. in India, Chrictophes Tadgell

[2] Interior design&space planning, Dechiara Pabero Zelnik

[3] Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The BestInterior India, Anuradha Mahindra
- Indian Interior,Angelika Taschen

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
241.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
242.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem

				Exam
243.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
244.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
245.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
246.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
247.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
248.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
249.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
250.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
251.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
252.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
253.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
254.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

255.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
256.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
257.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
258.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
259.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
260.	,Baroque and Rococo	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
261.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
262.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
263.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
264.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
265.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
266.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
267.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-

				2, Quiz & End Sem Exam
268.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
269.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
270.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

ZZ. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	**:** Familiarize with the different culture, society, and their style of living, which affects the internal part of their buildings over different periods.	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-
CO 02	The objective of the course is to introduce the students with the changes occurred in the past with the time. Familiarize with the different culture, society and their style of living, which effects the internal part of their buildings over different periods.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 205 History of interior design - II		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments	**Rubric**

Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code BID 206 is level 2 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2020-2021

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : : Workshop – I (Serigraphy & Color)
Course Code : BID 207, Crédits : 02, Session :2020-2021(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

AAA. **Introduction** *: The course will use a mix of hands on workshop, sketching and case study & market study. Participants are encouraged to engage in active interaction through classroom participation Assessment/Examination Scheme:*

BBB. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The objective of the course is to provide a clear understanding about the Color theory / color psychology in interior design .This course will cover the fundamentals of interior design starting with basic colors, what basic colors are (from primary, secondary and tertiary colors), which would help them to understand how different colors affect different spaces, some winning color combinations, how to build your color palette from any item, and how to choose the perfect shade of paint for your space.

CO2: An understanding about the Color theory / color psychology in interior design, fundamentals of interior design and their use in different spaces. An understanding to build the color palette from any item, and to choose the perfect shade of paint for your space. Use of color schemes, textures and patterns to the surfaces and use of serigraphy in interior spaces and furniture.

CCC. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within

the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

DDD. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

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Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

EEE. Syllabus

Module I: Color theory / color psychology

understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.

Module II: Color Palette

Making of color Palette, color combinations for particular theme in interior space.

Module III: : Serigraphy

Serigraphy in Interior Spaces & Furniture, Drawings solids, voids

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

FFF. Suggested Text/Reference Books:

[1] The History of Arch. in India, Chrictophes Tadgell

[2] Interior design&space planning, Dechiara Pabero Zelnik

[3] Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The BestInterior India, Anuradha Mahindra
- Indian Interior,Angelika Tasche

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
271.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
272.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
273.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
274.	understanding about the Color theory / color psychology in	Lecture	CO1	Mid Term-1, Quiz &

	interior design. fundamentals of interior design starting with basic colors.			End Sem Exam
275.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
276.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
277.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
278.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
279.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
280.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
281.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
282.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
283.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

284.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
285.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
286.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
287.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
288.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
289.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
290.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
291.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
292.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
293.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
294.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
295.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz &

				End Sem Exam
296.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
297.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
298.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
299.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
300.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

GGG. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The objective of the course is to provide a clear understanding about the Color theory / color psychology in interior design .This course will cover the fundamentals of interior design starting with basic colors, what basic colors are (from primary, secondary and tertiary colors), which would help	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3

	them to understand how different colors affect different spaces, some winning color combinations, how to build your color palette from any item, and how to choose the perfect shade of paint for your space.																
CO 02	An understanding about the Color theory / color psychology in interior design, fundamentals of interior design and their use in different spaces. An understanding to build the color palette from any item, and to choose the perfect shade of paint for your space. Use of color schemes, textures and patterns to the surfaces and use of serigraphy in interior spaces and furniture.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2020-2021						
Class: BID II Semester						
Subject Name: BID 207 Workshop - I (Serigraphy & Color)		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 207 is level 1 for the academic year 2020-2021.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – I
Course Code : BID 101, Crédits : 05, Session :2021-22(Odd Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. Introduction: The course is to provide a clear understanding about the design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies. The course will use a mix of drawings, case study and sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation

B. Course Outcomes: At the end of the course, students will be able to:

CO1: The design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies.

CO2: The visual design in an interior space with color schemes, textures, light, shadow etc.

CO3: The exercise to be executed in this course enable the students to design the space interiors for a two-storey building with the required services, infrastructure, furniture layout, circulation, open-built and exterior-interior relationship in and around the plot boundaries.

C. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: Design problem

Introduction to design problem with the methodology to proceed with the concept, Case studies and data collection through primary and secondary sources, Formulation of concept with client's requirements.

Module II: Design aspects

Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services (teaching parallel in BID 1207, Building Services and Fixtures -water supply and sanitation)

Module III: Design Exercise

Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living

or floating) on a plot size of minimum 500sqm. Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Introduction to design problem with the	Lecture	CO1	Mid Term-1, Quiz &

	methodology to proceed with the concept			End Sem Exam
15.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

26.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Design the interior keeping	Lecture	CO2	Mid Term-

	in view – the basic structural requirements, finishes, furniture layout, basic services			2, Quiz & End Sem Exam
36.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
38.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
39.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
40.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure	Lecture	CO2	Quiz & End Sem Exam

	for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
41.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
42.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
43.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
44.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
45.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living	Lecture	CO2	Quiz & End Sem Exam

	or floating) on a plot size of minimum 500sqm.			
46.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
47.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
48.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
49.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
50.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
51.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
52.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
53.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

54.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
55.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
56.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
57.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
58.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
59.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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63.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
64.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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66.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
67.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
68.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
69.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
70.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
71.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

72.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
73.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
74.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
75.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	

CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 201 Interior Design Studio – II		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code 201 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
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Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – II
Course Code : BID 201, Crédits : 05, Session :2021-22(Odd Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The course is to provide a clear understanding about the design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies. The course will use a mix of drawings, case study and sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation

B. **Course Outcomes:** At the end of the course, students will be able to:
CO1: The design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies.
CO2: The visual design in an interior space with color schemes, textures, light, shadow etc.
CO3: The exercise to be executed in this course enable the students to design the space interiors for a two-storey building with the required services, infrastructure, furniture layout, circulation, open-built and exterior-interior relationship in and around the plot boundaries.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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into multi-dimensional design solutions.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25%	A	5%

	includes all types of leaves including medical leaves.		
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: Design problem

Introduction to design problem with the methodology to proceed with the concept, Case studies and data collection through primary and secondary sources, Formulation of concept with client's requirements.

Module II: Design aspects

Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services (teaching parallel in BID 1207, Building Services and Fixtures -water supply and sanitation)

Module III: Design Exercise

Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm. Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc. **Examination Scheme:**

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von

- Architecture: Form, Space and Order, Francis D.K. Ching

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

12.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Introduction to design problem with the methodology to proceed with the concept	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Case studies and data	Lecture	CO1	Mid Term-

	collection through primary and secondary sources			2, Quiz & End Sem Exam
25.	Case studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Design the interior keeping in view – the basic structural requirements,	Lecture	CO2	Mid Term-2, Quiz & End Sem

	finishes, furniture layout, basic services			Exam
35.	Design the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
38.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
39.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
40.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living	Lecture	CO2	Quiz & End Sem Exam

	or floating) on a plot size of minimum 500sqm.			
41.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
42.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
43.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
44.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
45.	Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
46.	Design should be presented in 3D drawings (perspectives, axonometric,	Lecture	CO2	Quiz & End Sem Exam

	isometric views) rendered with textures, colors, patterns etc.			
47.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
48.	Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
49.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
50.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
51.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
52.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
53.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
54.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

55.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
56.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
57.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
58.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
59.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
60.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
61.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
62.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
63.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

64.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
65.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
66.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
67.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
68.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
69.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
70.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
71.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
72.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

73.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
74.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
75.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –II) 2021-22

Class: BID II Semester

Subject Name: BID 201 Interior Design Studio – II	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2

Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code 201 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : MATERIALS &CONSTRUCTION TECHNIQUES-I
Course Code : BID 202, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

I. **Introduction:** The course will use a mix of drawings, case study and sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation. The students should be able to learn: construction properties and cases of traditional building materials used in construction.

J. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The students should be able to learn: construction properties and cases of traditional building materials used in construction.

CO2: To familiarize the students with construction properties and cases of traditional building materials used in construction.

CO3: To understand the use of these traditional building materials in simple building works.

K. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

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PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

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L. Programme Specific Outcomes:

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%

End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

M. Syllabus

Module I: Material

Mud and Clay Products: Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.

Module II: Material

Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic

Module III: Construction

Element of building: Terminology, nomenclature if various parts of building from

foundation to roof.

Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions.

Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling

Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond

etc.

Module III: Construction

Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design criteria, Foundation for load bearing walls of various thicknesses.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Interior design illustrated, Francis D.K. Ching

[3] House Book (The Complete Guide to Home Design), Terence Conran

[4] Masonry (Concrete, Brick, Stone), Christine Beall

[5] MetricHandbook (Planning&Design Data) 2nd Ed. Edited By, David Adler

References:

N. • Window Fashion, Charles T. Randall

O. • Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
P. • Elements of Architecture, Meiss Pieree Von
Q. • Architecture: Form, Space andOrder, Francis D.K. Ching
R. • The Construction of Building Vol- 1 to 5, R. Barry
S. • Building Construction,N.L. Arora &, B.R. Gupta
T. • InteriorDetail – 1 (Residence), Jeong, Kwang Young
U. • Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
76.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
77.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
78.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
79.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
80.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
81.	Mud and Clay Products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
82.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
83.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

84.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
85.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
86.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
87.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
88.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
89.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete: Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
90.	Mud including stabilized earth, Burnt Brinks, Brick Tiles, Brick Ballest and Surkhi, Stone, Lime, Sand, Surkhi, Cement, Mortar, Concrete:	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Classification, Availability, Preparation, Characteristics, Manufacturing and Uses.			
91.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood, timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
92.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
93.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
94.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
95.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
96.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
97.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
98.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
99.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
100.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
101.	timber, flyash Water Proof Materials: Asphalt, Bitumen, and Synthetic	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

102.	Brick Work: Brick work with different materials i.e. mud, clay, glass, concrete, wood,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
103.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
104.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
105.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			
106.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
107.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
108.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			
109.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
110.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
111.	Element of building: Terminology, nomenclature	Lecture	CO3	Mid Term-2, Quiz &

	if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.			End Sem Exam
112.	Element of building: Terminology, nomenclature if various parts of building from foundation to roof. Brick Works: Brick Terminology, Simple bonds in Brick work. Detail at junctions. Arches, Brick, Stone, elementary principles, Definition and centering, Corbelling Coping string Courses, Decorative Brick Work, Brick Jalis. Special Bond, Garden bond etc.	Lecture	CO3	Quiz & End Sem Exam
113.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design criteria, Foundation for load bearing walls of various thicknesses.	Lecture	CO3	Quiz & End Sem Exam
114.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar Stone Work. Foundation: Need, Design	Lecture	CO3	Quiz & End Sem Exam

	criteria, Foundation for load bearing walls of various thicknesses.			
115.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar	Lecture	CO3	Quiz & End Sem Exam
116.	Stone Work.	Lecture	CO3	Quiz & End Sem Exam
117.	Foundation: Need, Design criteria, Foundation for load bearing walls of various	Lecture	CO3	Quiz & End Sem Exam
118.	thicknesses.	Lecture	CO3	Quiz & End Sem Exam
119.	Stone work: Elementary Stone Masonry, Types of Joints, Random, Course and Ashlar	Lecture	CO3	Quiz & End Sem Exam
120.	Stone Work.	Lecture	CO3	Quiz & End Sem Exam

V. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The students should be able to learn: construction properties and cases of traditional building materials used in construction	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	

CO 02	To familiarize the students with construction properties and cases of traditional building materials used in construction.																	
CO 03	To understand the use of these traditional building materials in simple building works.																	

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 202 Material & Construction – I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 202 Is level 01 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX																					
SEM	**SUBJECT CODE**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PO 13**	**PO 14**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 5**	**PSO 6**
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-

	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-
	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : BASIC DESIGN AND VISUAL ART-II
Course Code : BID 203, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

W. Introduction: The course will use a mix of drawings, sketching & hands on exercise.

X. Participants are encouraged to engage in active interaction through classroom participation

Y. Course Outcomes: At the end of the course, students will be able to:

CO1: The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.

CO2: The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.

Z. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

AA. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%

End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

BB. Syllabus

Module I: Graphical representation

Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.

Module II: graphics and coloring

Models, 3-D forms: free standing paper models representing motives, shapes

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

CC. Suggested Text/Reference Books:

1] A Visual Dictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Interior design illustrated, Francis D.K. Ching

[4] Home Plumbing (The David & Charles Manual of), Ernest Hall

[5] House Book (The Complete Guide to Home Design), Terence Conran

[6] Architecture: Form, Space and Order Francis D.K. Ching

References:

References: • Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mistook
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

DD. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
121.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
122.	Graphical representation of furniture, human figures	Lecture	CO1	Mid Term-1, Quiz &

	in D2 & D3, Rendering techniques for textures, materials, finishes etc.			End Sem Exam
123.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
124.	*Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
125.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
126.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
127.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
128.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
129.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
130.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
131.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
132.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
133.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
134.	Graphical representation of furniture, human figures in D2 &	Lecture	CO1	Mid Term-1, Quiz &

	D3, Rendering techniques for textures, materials, finishes etc.			End Sem Exam
135.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
136.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
137.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
138.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
139.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
140.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
141.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
142.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
143.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
144.	Graphical representation of furniture, human figures in D2 & D3, Rendering techniques for textures, materials, finishes etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
145.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
146.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem

				Exam
147.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
148.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
149.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
150.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
151.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
152.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
153.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
154.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
155.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
156.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
157.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
158.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
159.	Models, 3-D forms: free standing paper models	Lecture	CO2	Quiz &

	representing motives, shapes			End Sem Exam
160.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
161.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
162.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
163.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
164.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam
165.	Models, 3-D forms: free standing paper models representing motives, shapes	Lecture	CO2	Quiz & End Sem Exam

EE. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1

CO 02	The possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 203 Basic Design & Visual Arts II		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3

CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code BID 203 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Drawing Techniques II
Course Code : BID 204, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

FF. Introduction: The course will use a mix of drawings, sketching & hands on exercise. Participants are encouraged to engage in active interaction through classroom participation

GG. Course Outcomes: At the end of the course, students will be able to:

CO1: The drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional spaces.

CO2: The objective of this course is to provide a clear understanding about the drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional space.

HH. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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II. Programme Specific Outcomes:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

JJ. Syllabus

Module I: Perspective

Perspective view – one point and two-point, Perspective of Interiors

Module II: Shades and shadows

Shades and shadows / Coloring of Perspective with Rendering, Different material

and mediums of Rendering

Module II: Free hand perspectives

Free hand perspectives.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

KK. Suggested Text/Reference Books:

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Interior design illustrated, FrancisD.K.Ching

[4] Home Plumbing (The David & Charles Manual of), Ernest Hall

[5] House Book (The Complete Guide to Home Design), Terence Conran

[6] Architecture: Form, Space and Order, Francis D.K. Ching

References:

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
166.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

167.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
168.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
169.	*Perspective view – one point and two-point, Perspective of Interiors*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
170.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
171.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
172.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
173.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
174.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
175.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
176.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
177.	Perspective view – one point and two-point, Perspective of Interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
178.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
179.	Shades and shadows / Coloring of Perspective with Rendering,	Lecture	CO1	Mid Term-

	Different material and mediums of Rendering			1, Quiz & End Sem Exam
180.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
181.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
182.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
183.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
184.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
185.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
186.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
187.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
188.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
189.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
190.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
191.	Shades and shadows / Coloring of Perspective with Rendering,	Lecture	CO2	Mid Term-2, Quiz &

	Different material and mediums of Rendering			End Sem Exam
192.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
193.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
194.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
195.	Shades and shadows / Coloring of Perspective with Rendering, Different material and mediums of Rendering	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
196.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
197.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
198.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
199.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
200.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
201.	Free hand perspectives.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
202.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
203.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam

204.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
205.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
206.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
207.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
208.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
209.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam
210.	Free hand perspectives.	Lecture	CO2	Quiz & End Sem Exam

LL. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional spaces.	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	
CO 02	The objective of this course is to provide a clear understanding about the drawing techniques and rendering																	

	techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three-dimensional space.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 204 Drawing Techniques II		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 204 is level 2 for the academic year 2021-2022.

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Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Computer Applications - I
Course Code : BID 205, Crédits : 02, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

MM. **Introduction:** The course will use a mix of computer drawings and tutorial. Participants are encouraged to engage in active interaction through classroom participation.

NN. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Students should be able to make drawings by using various computer hardware and software used in interior designing.

CO2: The objective of the course is to provide knowledge about the various computer and software used in interior designing.

OO. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

PP. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

QQ. Syllabus

Module I: Introduction

Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made

Module II: Shapes and Figures

Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.

Module III: : Use of photo editing Software

Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

RR. Suggested Text/Reference Books:

1] A Visual Dictionary of Architecture, Francis D.K. Ching

[2] Creative Interiors (Design of Enclosed Space), Shashi Jain

[3] Computers in Interior Design, A.K. Sinha

References:

- Architecture and computer

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
211.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
212.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	be made.			
213.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
214.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
215.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
216.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
217.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
218.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
219.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
220.	Two-dimensional drafting work to be handled in detail on Auto Cad. Complete Drafting, Editing and modification work to be done and presentations be made.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
221.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
222.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and	Lecture	CO1	Mid Term-1, Quiz & End Sem

	Photoshop software and their application.			Exam
223.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
224.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
225.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
226.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
227.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
228.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
229.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
230.	Introduction to Auto CAD for making simple figures and shapes, Introduction to Coral Draw and Photoshop software and their application.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
231.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
232.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
233.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

234.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
235.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
236.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
237.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
238.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
239.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
240.	Photo editing as well as preparation of 2-D presentations on Photoshop/ Corel Draw	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

SS. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Students should be able to make drawings by using various computer hardware and software used in interior designing.	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-

CO 02	The objective of the course is to provide knowledge about the various computer and software used in interior designing.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 205 Computer Applications - I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 205 is level 3 for the academic year 2021-2022.

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Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

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Note: - Correlation levels 1, 2 and 3 as defined below:

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PROGRAMME ARTICULATION MATRIX

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VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

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	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : : History of Interior Design – II
Course Code : BID 206, Crédits : 02, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

TT. Introduction: The course will use a mix of presentation, sketching and case study. Participants are encouraged to engage in active interaction through classroom participation

UU. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize with the different culture, society, and their style of living, which affects the internal part of their buildings over different periods.

CO2: The objective of the course is to introduce the students with the changes occurred in the past with the time. Familiarize with the different culture, society and their style of living, which effects the internal part of their buildings over different periods.

VV. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester	EE	70%

Examination	(Viva-Voce)		
Total			**100%**

XX. Syllabus

Module I: THE DARK AGES

Early Christian ,Byzantine ,Romanesque ,Gothic interiors

Module II: ISLAMIC AND ASIAN TRADITION

Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .

Module III: : RENAISSANCE

Early renaissance ,High renaissance ,Mannerism

,Baroque and Rococo

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

YY. Suggested Text/Reference Books:

[1] The History of Arch. in India, Chrictophes Tadgell

[2] Interior design&space planning, Dechiara Pabero Zelnik

[3] Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The BestInterior India, Anuradha Mahindra
- Indian Interior,Angelika Taschen

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
241.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
242.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem

				Exam
243.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
244.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
245.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
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247.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
248.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
249.	Early Christian ,Byzantine ,Romanesque ,Gothic interiors	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
250.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
251.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
252.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
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254.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

255.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
256.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
257.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
258.	Mosque ,Palaces ,Islamic influence in India ,Japanese and Chinese interiors .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
259.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
260.	,Baroque and Rococo	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
261.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
262.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
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266.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
267.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-

				2, Quiz & End Sem Exam
268.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
269.	Early renaissance ,High renaissance ,Mannerism	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
270.	,Baroque and Rococo	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

ZZ. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	**:** Familiarize with the different culture, society, and their style of living, which affects the internal part of their buildings over different periods.	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-
CO 02	The objective of the course is to introduce the students with the changes occurred in the past with the time. Familiarize with the different culture, society and their style of living, which effects the internal part of their buildings over different periods.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 205 History of interior design - II		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments	**Rubric**

Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID /Course code BID 206 is level 2 for the academic year 2021-2022.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

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	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
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	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
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IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
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	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
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	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : : Workshop – I (Serigraphy & Color)
Course Code : BID 207, Crédits : 02, Session :2021-22(Even Sem.), Class : BID 1st Year
Faculty Name : Ar. Manish Kumar Chitranshi

AAA. **Introduction** *: The course will use a mix of hands on workshop, sketching and case study & market study. Participants are encouraged to engage in active interaction through classroom participation Assessment/Examination Scheme:*

BBB. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The objective of the course is to provide a clear understanding about the Color theory / color psychology in interior design .This course will cover the fundamentals of interior design starting with basic colors, what basic colors are (from primary, secondary and tertiary colors), which would help them to understand how different colors affect different spaces, some winning color combinations, how to build your color palette from any item, and how to choose the perfect shade of paint for your space.

CO2: An understanding about the Color theory / color psychology in interior design, fundamentals of interior design and their use in different spaces. An understanding to build the color palette from any item, and to choose the perfect shade of paint for your space. Use of color schemes, textures and patterns to the surfaces and use of serigraphy in interior spaces and furniture.

CCC. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within

the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

DDD. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating

cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

EEE. Syllabus

Module I: Color theory / color psychology

understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.

Module II: Color Palette

Making of color Palette, color combinations for particular theme in interior space.

Module III: : Serigraphy

Serigraphy in Interior Spaces & Furniture, Drawings solids, voids

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Exam/Quiz, EE: End Semester Examination; A: Attendance

FFF. Suggested Text/Reference Books:

[1] The History of Arch. in India, Chrictophes Tadgell

[2] Interior design&space planning, Dechiara Pabero Zelnik

[3] Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The BestInterior India, Anuradha Mahindra
- Indian Interior,Angelika Tasche

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
271.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
272.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
273.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
274.	understanding about the Color theory / color psychology in	Lecture	CO1	Mid Term-1, Quiz &

	interior design. fundamentals of interior design starting with basic colors.			End Sem Exam
275.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
276.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
277.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
278.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
279.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
280.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
281.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
282.	understanding about the Color theory / color psychology in interior design. fundamentals of interior design starting with basic colors.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
283.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

284.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
285.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
286.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
287.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
288.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
289.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
290.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
291.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
292.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
293.	Making of color Palette, color combinations for particular theme in interior space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
294.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
295.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz &

				End Sem Exam
296.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
297.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
298.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
299.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
300.	Serigraphy in Interior Spaces & Furniture, Drawings solids, voids	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

GGG. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The objective of the course is to provide a clear understanding about the Color theory / color psychology in interior design .This course will cover the fundamentals of interior design starting with basic colors, what basic colors are (from primary, secondary and tertiary colors), which would help	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3

	them to understand how different colors affect different spaces, some winning color combinations, how to build your color palette from any item, and how to choose the perfect shade of paint for your space.																
CO 02	An understanding about the Color theory / color psychology in interior design, fundamentals of interior design and their use in different spaces. An understanding to build the color palette from any item, and to choose the perfect shade of paint for your space. Use of color schemes, textures and patterns to the surfaces and use of serigraphy in interior spaces and furniture.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –II) 2021-22						
Class: BID II Semester						
Subject Name: BID 207 Workshop - I (Serigraphy & Color)		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 207 is level 1 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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Program Specific Outcome:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
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	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
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	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
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	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
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	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Materials and Construction Techniques - II
Course Code : BID 301, Crédits : 06, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.

B. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize the students with different building materials and construction techniques.

CO2: The objective of the course is to provide a clear understanding about the design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.

CO3: It enables the students to understand the requirement of designing any interiors.

C. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

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PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

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D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/V/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester VIVA VOCE	VV	70%
Total			**100%**

E. Syllabus

Module I: Interior Design

Interior Design for Play school/ Kindergarten/Nursery school (institutional/training & development building) for a maximum number of students up to 150. For a built-up space up to 500 sqm with all the required facilities in terms of infrastructure and services.

Module II: Interior in institutional building

Space organization in interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc., Different types of materials that are available and their uses in interiors.

Module III: Interior in institutional building

Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D views to understand the space design.

Module IV: Interior Model

Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

- Drawing a Creative Process, Francis D.K. Ching
- Design Drawing + CD, Francis D.K. Ching
- Architecture Graphics, Francis D.K. Ching 4th Edition
- Interior design & space planning, Dechiara Pabero Zelnik
- Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

References:

- Architectural Graphic standards, Boaz Joseph
- Neufert's Architect's data
- Time Saver standards for building types, Joseph D.C. and John Callender.
- Kitchen & Bath, Montse Zapata
- Bed room, Lestey Taylor
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

1.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*a built-up space up to 500 sqm with all the required facilities in terms of*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Interior Design for Play school/ Kindergarten/Nursery school (institutional/	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Interior Design for Play school/ Kindergarten/Nursery	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	school (institutional/			
18.	training & development building) for a maximum number of students up to 150. for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	a built-up space up to 500 sqm with all the required facilities in terms of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	infrastructure and services.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	ceilings etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

34.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	ceilings etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Space organization in interiors, Surface treatments in interiors e.g. walls, floors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Interior details in terms of lighting, services, interior landscape etc., Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
38.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
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41.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
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44.	Interior details in terms of lighting, services, interior landscape etc.,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
45.	Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
46.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D views to understand the	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	space design.			
47.	Layout and Constructional details of furniture units, Application of color, texture,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
48.	pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
49.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
50.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
51.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
52.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
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54.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
55.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
56.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
57.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
58.	*views to understand the space design.*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
59.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
60.	*pattern and their psychological effects in interiors, drawing of interiors in 2D and 3D*	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
61.	*views to understand the space design.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
62.	*Layout and Constructional details of furniture units, Application of color, texture,*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

63.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
64.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
65.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
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67.	*Interior Model of the space with all furniture, interior details in place and interior*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
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72.	*finishes with different colors, Textures.*	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
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H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Familiarize the students with different building materials and construction techniques.	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-
CO 02	The objective of the course is to provide a clear understanding about the design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.																	
CO 03	It enables the students to understand the requirement of designing any interiors.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VII) 2021-22						
Class: BID III Semester						
Subject Name: BID 301 Interior Design Studio– III		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 301 is level 3 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

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PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Materials and Construction Techniques - II
Course Code : BID 302, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

I. **Introduction:** To introduce and familiarize the students with different building materials and construction techniques. The understanding for the system to be adopted for the construction of different types buildings.

J. **Course Outcomes:** At the end of the course, students will be able to:
CO1: Apply knowledge of construction material, methods, and process to transform idea in to design;
CO2: Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;
CO3: Compare different design suiting the purpose/function and principles of design;

K. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to

meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

L. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Viva-Voce/Quiz/Assignment	S/V/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester Examination	EE	70%

Examination			
Total			**100%**

M. Syllabus

Module I: Materials

Wood, Timber, Bamboo, All types of wooden products.

Module II: Construction

Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes.

Module III: Construction

Introduction to fully glazed windows and ventilator details of joints etc. Fixed glass and timber louvered windows, Elementary carpentry, common joints, details of ledged and Batten Doors.

Module IV: Space Partitions

Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.

Module V: Storage cabinets

Different Types, materials, different construction details with fixing details.

N. Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

O. Suggested Text/Reference Books:

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching
- The Construction of Building Vol- 1 to 5, R. Barry
- Building Construction, N.L. Arora &, B.R. Gupta
- Interior Detail – 1 (Residence), Jeong, Kwang Young
- Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group
- A Visual Dictionary of Architecture, Francis D.K. Ching
- Interior design illustrated, Francis D.K. Ching
- House Book (The Complete Guide to Home Design), Terence Conran
- Masonry (Concrete, Brick, Stone), Christine Beall
- Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

P. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
1	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

2	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9	**Materials**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10	Wood, Timber, Bamboo, All types of wooden products	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15	**Construction**	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

	paneled single and double doors of various types and sizes			
17	**Construction**	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19	**Construction**	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25	**Construction**	Lecture	CO2	Mid Term-2, Quiz

				& End Sem Exam
26	Timber or Wooden - Doors/Windows/ Floors/staircases: Classification, Characteristics, Defects and Preservation. Introduction to Fully paneled single and double doors of various types and sizes	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28	Introduction to fully glazed windows and ventilator details of joints etc. Fixed glass and timber louvered windows, Elementary carpentry, common joints, details of ledged and Batten Doors.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29	**Construction**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30	**Space Partitions**	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz

				& End Sem Exam
35	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
38	**Space Partitions**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
39	Inverse and Rank of a matrix, Linear systems of equations, Consistency of Linear Simultaneous Equations, linear Independence, Gauss elimination and Gauss-Jordan elimination, Eigen values, eigenvectors, Caley-Hamilton theorem, Diagonalization.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44	**Storage cabinets**	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

45	Different Types, materials, different construction details with fixing details.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

Q. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Engineering and Technology Department of Computer Science and Engineering I MID-SEMESTER (SEM –VII) 2021-22
Class: B.Tech.(CSE) VII Semester

Subject Name: BID 302 Materials and Construction Techniques - II		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome

attainment of the course BID/Course code BID 302 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
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	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
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	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
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	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Building Interior Services – I (Plumbing & Sanitation)
Course Code : BID 303, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

R. **Introduction:** To Familiarize the students with different building materials and construction techniques.

S. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Students will learn the Water Supply, Sanitation, and waste water disposal system in a building as part of the building services.

CO2: The objective of the course is to provide a clear understanding about the Water Supply, know the latest market trends and requirements.

CO3: Sanitation and waste water disposal system in a building as part of the building services and know the latest market trends and requirements.

T. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to

meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

U. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Viva-Voce/Quiz/Assignment	S/V/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester Examination	EE	70%

Examination			
Total			**100%**

V. Syllabus

Module I: Introduction to Building Services

Introduction to Building Services emphasis on Water Supply, Sanitation and Drainage, Water supply and distribution system at building level taking two-story building as example.

Module II: Sanitation disposal

Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level, Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report

Module III: Piping system

Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.

Module IV: Water storage

Underground, overhead and internal storage tanks and supply lines.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

W. Suggested Text/Reference Books:

X. Home Plumbing The David & Charles Manual, Ernest Hall
Y. Water Supply & Sanitation, Charanjit S. Shah
Z. The Construction of Building Vol - 1 to 5, R. Barry
AA. Building Construction, N.L. Arora &, B.R. Gupta
BB. The Books of Kitchens, Anthony Rowley

References:

- The Construction of Building Vol- 1 to 5, R. Barry
- Building Construction, N.L. Arora &, B.R. Gupta
- Interior Detail – 1 (Residence), Jeong, Kwang Young
- Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

CC. Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
1	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	Introduction to Building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Services emphasis on Water Supply			
3	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	*Introduction to Building Services emphasis on Water Supply*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	Introduction to Building Services emphasis on Water Supply	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

11	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13	Introduction to Building Services emphasis on Sanitation and Drainage, Water supply and distribution system	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

19	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

28	Sanitation disposal at city two industrial level & sanitary layout and fixture setting at building level	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33	Toilet & Kitchen layout of a residential building with sanitary fitting	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	& Fixture, Market survey of all the sanitary products and presentation in form of report			
34	Toilet & Kitchen layout of a residential building with sanitary fitting & Fixture, Market survey of all the sanitary products and presentation in form of report	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
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38	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings,	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	materials, size and classification.			
39	Interior to Piping system / I.C / G.T. and with all its types, Storm water drainage system in a building, Pipes and fittings, materials, size and classification.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
45	Underground, overhead and internal storage tanks and supply lines.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

DD. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	Students will learn the Water Supply, Sanitation, and waste water disposal system in a building as part of the building services.	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-
CO 02	The objective of the course is to provide a clear understanding about the Water Supply, know the latest market trends and requirements.																	
CO 03	Sanitation and waste water disposal system in a building as part of the building services and know the latest market trends and requirements.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2021-22						
Class: B.Tech.(CSE) III Semester						
Subject Name: BID 303 Building Interior Services - I		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3

CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 303 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
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DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Photography
Course Code : BID 304, Crédits : 02, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. Introduction: To Familiarize the students to develop a basic sense of visual perception for students through observation of composition, color and light interaction, shades and shadows and positive and negative space relationship.

B. Course Outcomes: At the end of the course, students will be able to:
CO1: Development of fundamental and technical capabilities necessary for photography.
CO2: To develop competency in basic photographic techniques required for Interior Design.
CO3: The course is skill based and practical involving the development of fundamental and technical capabilities necessary for photography.
CO4: It enables students to see things, analyze them and express them in a strong visual form.

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Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S//Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester	End Semester	VV	70%

Examination	Viva-Voce		
Total			**100%**

E. Syllabus

Module I: Introduction

the basic principles of photography and photographic equipment Analog and digital photography. Types of cameras. Understanding of the camera, its various parts and controls. Lenses, sensors, scanners, shutter speeds and movement, focus and aperture, choice of exposure, changing focal length, flash and its control, light conditions, light compensation. Accessories - studio equipment, tripod, flashlight, lens filters, hood, adapters, grid screen, memory cards, batteries and rechargeable etc., use of fixed focal lenses, black and white negative films.

Module II: Techniques

Seeing and photographing, using the view finder, framing up, creating a point of emphasis, picking lighting conditions, pattern, texture and shape, color etc.

Module III: Lighting in photography

Quality and quantity, soft and hard, lighting direction, color temperature in camera meters, incident light meters, flash meters, using studio lights, number of lights, types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters, shift lens, daylight, artificial light, mixed light, simple setups for adding light, multiple light sources etc.

Module IV: Digital photography

introduction to digital photography tools, different aspects of taking images, steps in image processing, editing techniques, sequencing, image manipulation using a computer, storage formats, printing digital files, presentation of photographs.

Module IV: Interior photography

Analysis of subject and content, perspective – vanishing points, distortion, converging verticals, usage of shift lens, camera position, picture format, image frame and composition – stationery surrounding objects, moving objects. Shooting parameters – shutter speed, aperture, light sensitivity, exposure, shadows and reflections.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**VV**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

Scott Kelby, The Digital Photography Book, peachpit press, 1st edition,2006.
Tom Grimme & Michelle Grimme, The Basic Book of Photography, 5th ed., Plume, 2003.
Eric Roth, Interior Photography: Lighting and Other Professional Techniques with Style, Amphoto
Books; illustrated edition , 2005
Julius Shulman & Richard Neutra, Photographing Architecture and Interiors, Balcony Press, 1st edition,
2000.
Michael Harris, Professional Interior Photography, Focal press publishers, third edition, 2003

References:

Philip Andrews & Michael Langford, Langford"s starting photography: A guide to better pictures for film
and digital camera users, Focal press publishers, 4th edition, 2005.
John Freeman, Lighting for Interiors, Rotovision publishers, illustrated edition, 2002.
Bryan Peterson, Understanding close-up photography: Creative close encounters with or without a
macro lens, Amphoto Books publishers, illustrated edition, 2009.

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1	the basic principles of photography and photographic equipment Analog and digital	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	photography. Types of cameras. Understanding of the camera, its various parts and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	controls. Lenses, sensors, scanners, shutter speeds and movement, focus and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	*aperture, choice of exposure, changing focal length, flash and its control, light*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5	conditions, light compensation. Accessories - studio equipment, tripod, flashlight,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	lens filters, hood, adapters, grid screen, memory cards, batteries and rechargeable	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	etc., use of fixed focal lenses, black and white negative films.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
8	the basic principles of photography and photographic equipment Analog and digital	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
9	photography. Types of cameras. Understanding of the camera, its various parts and	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
10	controls. Lenses, sensors, scanners, shutter speeds and movement, focus and	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
11	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

12	emphasis, picking lighting conditions, pattern, texture and shape, color etc.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
13	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
14	emphasis, picking lighting conditions, pattern, texture and shape, color etc.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
15	Seeing and photographing, using the view finder, framing up, creating a point of	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16	quality and quantity, soft and hard, lighting direction, color temperature in camera	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
17	meters, incident light meters, flash meters, using studio lights, number of lights,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
18	types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
19	shift lens, daylight, artificial light, mixed light, simple setups for adding light,	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
20	multiple light sources etc.	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
21	quality and quantity, soft and hard, lighting direction, color temperature in camera	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
22	meters, incident light meters, flash meters, using studio lights, number of lights,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
23	types of lights, tungsten, flash, fluorescent etc., proper accessories, reflectors, filters,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
24	shift lens, daylight, artificial light, mixed light, simple setups for adding light,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
25	multiple light sources etc.	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
26	introduction to digital photography tools, different aspects of taking images, steps in	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam

27	image processing, editing techniques, sequencing, image manipulation using a	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
28	computer, storage formats, printing digital files, presentation of photographs.	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
29	Analysis of subject and content, perspective – vanishing points, distortion,	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam
30	converging verticals, usage of shift lens, camera position, picture format, image	Lecture	CO4	Mid Term-2, Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Development of fundamental and technical capabilities necessary for photography.	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-
CO 02	To develop competency in basic photographic techniques required for Interior Design.																	
CO 03	The course is skill based and practical involving the development of fundamental and technical capabilities necessary for photography.	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-
CO 04	It enables students to see things, analyze them and express them in a strong visual form.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2021-22						
Class: B.Tech.(CSE) III Semester						
Subject Name: BID 304 Photography		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO3	Q.4	Explain the significance of Cloud Reference Model	3
CO4	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO4	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2

Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 304 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Computer Applications – II
Course Code : BID 305, Crédits : 02, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

EE. Introduction: To Familiarize the students for developing basic understanding of software assisting in 2-D & 3-Dimensional design.

FF. Course Outcomes: At the end of the course, students will be able to:

CO1: To develop an understanding of software assisting in 3-Dimensional design.
CO2: Introduction to the use and application of Internet.
CO3: Learning software i.e., Auto Cad, Coral Draw and Adobe and Photoshop.

GG. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

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PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and

indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

HH. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S//Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Viva-Voce	VV	70%
Total			**100%**

II. Syllabus

Module I: Understanding AUTOCAD – 3D

3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.

Module II: 3D Surfaces and Solids

3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.

Module III: Viewports and Views

Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility

Module IV: Using 3-D SOFTWARES

3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

JJ. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching
- Creative Interiors (Design of Enclosed Space), Shashi Jain
- Computers in Interior Design, A.K. Sinha

References:

- Architecture and computer, Ram Malhotra
- CAD and Interiors, B.K. Jain

KK. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned *space, Creating of 2D.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

5	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
8	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
9	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
10	3 - Dimensional drawings, learning to place elements in 3-D views of a redesigned space, Creating of 2D.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
11	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
12	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
13	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
14	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
15	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16	3-D surface and solids. Developments of surfaces and solids, Use of these in various designing activities.	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
17	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam

18	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
19	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
20	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-1, Quiz & End Sem Exam
21	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
22	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
23	Introduction to UCS viewports, 3-D views and 3-D orbit, Internet compatibility	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
24	3-D and other related software for developing exterior and interior surfaces and spaces and creating,walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
25	3-D and other related software for developing exterior and interior surfaces and spaces and creating,walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
26	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
27	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

28	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
29	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
30	3-D and other related software for developing exterior and interior surfaces and spaces and creating, walkthroughs using camera, light and assigning materials	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

LL. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	To develop an understanding of software assisting in 3-Dimensional design.	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-
CO 02	Introduction to the use and application of Internet.																	
CO 03	Learning software i.e., Auto Cad, Coral Draw and Adobe and Photoshop.																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –III) 2021-22

Class: B.Tech.(CSE) III Semester

Subject Name: BID 305 Computer Applications – II	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 305 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY ASAP GWALIOR MADHYA PRADESH

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : History of Interior Design – III
Course Code : BID 306, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

MM. Introduction: The past trends of interior design development over the periods. Learn the development methods and forces to get a clear view of changing design and ideas.

NN. Course Outcomes: At the end of the course, students will be able to:

CO1: The past trends of interior design development over the periods

CO2: Learn the development methods and forces to get a clear view of changing design and ideas.

CO3: The past trends of interior design development over the periods Learn the development methods and forces to get a clear view of changing design and ideas.

OO. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

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PP. Programme Specific Outcomes:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Viva-Voce/Assignment	S/VV/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

QQ. Syllabus

Module I: INDUSTRIAL REVOLUTION

The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style

Module II: THE VICTORIAN ERA

Mansions, middle class houses, Aesthetic movements ,Art and craft movements, Eclecticism

Module III: EMERGENCE OF MODERNISM

Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism

Module IV: THE INTERNATIONAL STYLE AND POST MODERNISM

Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs

Module IV: CONTEMPRORY DESIGN ON A NEW PLAYFEILD

Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

RR. Suggested Text/Reference Books:

- The History of Arch. in India, Chrictophes Tadgell
- Interior design & space planning, Dechiara Pabero Zelnik
- Interior design illustrated, Francis D.K. Ching

References:

- Islamic Architecture in Interior, Satish Grover
- The Best Interior India, Anuradha Mahindra
- Indian Interior, Angelika Taschen

SS. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	The impact of industrial revolution, Regency, Revival,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Federal style ,Colonial style			
7.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	The impact of industrial revolution, Regency, Revival, Federal style ,Colonial style	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Mansions, middle class houses, Aesthetic movements ,Art and craft movements,Eclecticism	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
16.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

	other ism			
19.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20.	Art nouveau, Art deco De stijl, Impressionism, Expressionisms, various other ism	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	Works of Fl wright, Le Corbusier, Alvar Alto, Antonio Gaudi ,Meis Vander Rhoe and post modern interior designs	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Bio morphism ,High tech	Lecture	CO3	Mid Term-2, Quiz

	,Functional deconstructivism ,Color craftmanship			& End Sem Exam
33.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
38.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
39.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
40.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
41.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
42.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
43.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
44.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
45.	Bio morphism ,High tech ,Functional deconstructivism ,Color craftmanship	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

TT. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PSO1	PSO2	PSO3	PS04	PS05

		1	2	3	4	5	6	7	8	9	10	11	12					
CO 01	The past trends of interior design development over the periods	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-
CO 02	Learn the development methods and forces to get a clear view of changing design and ideas.																	
CO 03	The past trends of interior design development over the periods Learn the development methods and forces to get a clear view of changing design and ideas.	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2021-22						
Class: BID III Semester						
Subject Name: BID 306 History of Interior Design – III		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 306 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : PSYCOLOGY OF LIVING ENVIRONMENTS
Course Code : BID 307, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

UU. Introduction: The student will learn to interpret the link between architectural study and psychology. Human beings are in constant interaction with the environment .With the growth of civilization men are making more artificial environments and interior designer play a significant role in this process .

VV. Course Outcomes: At the end of the course, students will be able to:

CO1: Role of interior designer in the in the interaction of environment and psychology and acquaint the students with some fundamental aspects of environmental psychology in relation to interior designing.

CO2: The objective of this course is designed to accquint the students with some fundamental aspects of environmental psychology in relation to interior designing.

WW. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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XX. Programme Specific Outcomes:

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PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Viva-Voce/Assignment	S/VV/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

YY. Syllabus

Module I: INTRODUCTION TO ENVIRONMENTAL PSYCOLOGY

Emergence as a discipline, importance in interior, basic principles of psychology , correspondence relevance in design of built environment.

Module II: ENVIRONMENT AND HUMAN RESPONSE

Behavioural response to built and unbuilt environment, Responses to environment, environmental perception, spatial cognition, comfort, anthropometrics.

Module III: APPLICATION IN DIFFERENT ENVIRONMENTS

Deign of spaces for occupants of various ages, gender, uses. (educational ,city spaces ,interiors, religious ,recreational etc)

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/VV/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

ZZ. Suggested Text/Reference Books:

Kopec D ENVIRONMENTAL PSYCOLOGY FOR DESIGN
Amos Rapaport – the meaning of built environment

AAA. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
46.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
47.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
48.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
49.	Emergence as a discipline ,importance in interior , basic principles of psychology *, correspondence relevance in design of built environment .*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
50.	Emergence as a discipline ,importance in interior , basic principles of psychology , correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
51.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
52.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
53.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
54.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
55.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
56.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
57.	Emergence as a discipline	Lecture	CO1	Mid Term-1, Quiz

	,importance in interior , basic principles of psychology			& End Sem Exam
58.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
59.	, correspondence relevance in design of built environment .	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
60.	Emergence as a discipline ,importance in interior , basic principles of psychology	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
61.	Behavioural response to built and unbuilt environment ,Responses to environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
62.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
63.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
64.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
65.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
66.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
67.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
68.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
69.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
70.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
71.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
72.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
73.	environment , environmental perception ,spatial cognition	Lecture	CO2	Mid Term-2, Quiz

	,comfort ,anthropometrics .			& End Sem Exam
74.	Behavioural response to built and unbuilt environment ,Responses to	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
75.	environment , environmental perception ,spatial cognition ,comfort ,anthropometrics .	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
76.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
77.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
78.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
79.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
80.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
81.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
82.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
83.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
84.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

	,interiors ,religious , recreational etc)			
85.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
86.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
87.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
88.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
89.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
90.	Deign of spaces for occupants of various ages ,gender,uses .(educational ,city spaces ,interiors ,religious , recreational etc)	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

BBB. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Role of interior designer in the in the interaction of environment and psychology and	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-

	acquaint the students with some fundamental aspects of environmental psychology in relation to interior designing.																	
CO 02	The objective of this course is designed to accquint the students with some fundamental aspects of environmental psychology in relation to interior designing.	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –III) 2021-22						
Class: BID III Semester						
Subject Name: BID 307 Psycology Of Living Environments		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
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Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 307 is level 2 for the academic year 2021-2022.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

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As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – IV
Course Code : BID 401, Credits : 06, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

- The course will use a mix of drawings, Presentations & hands on workshop. Particip encouraged to engage in active interaction through classroom participation.

A. Course Outcomes: At the end of the course, students will be able to:

CO1: The different types of exhibition and presentation spaces and the interior design requirements related to them.

CO2: the objective of the course is to introduce the students with the different types of exhibition and presentation spaces and the interior design requirements related to them.

CO3: The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a

variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. Syllabus

Module I: Design problem

Descriptors/Topics

The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

Module II: Space organization

Descriptors/Topics

Space organization in exhibition interiors, Surface treatments in interiors e.g. walls,

floors, ceilings etc.
Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors

Module III: Layout
Descriptors/Topics
Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design.
Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.**Examination Scheme:**

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] Drawing a Creative Process, Francis D.K. Ching

[2] Design Drawing + CD, Francis D.K. Ching

[3] Architecture Graphics, Francis D.K. Ching 4th Edition

[4] Interior design&space planning, Dechiara Pabero Zelnik

[5] Interior design illustrated, Francis D.K. Ching

[6] Graphic Interiors

[7] Space Designed by Graphic Artists, CorinaDean

[8] Home Plumbing (The David & Charles Manual of), Ernest Hall

[9] House Book (The Complete Guide to Home Design), Terence Conran

[10] Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

References:

- Architectural Graphic standards editor – Boaz Joseph
- Neufert's Architect's data
- Time Saver standards for building types, editor Joseph D.C. and John Callender.
- Kitchen & Bath, Montse Zapata
- Bed room, Lestey Taylor
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall

E. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
8.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
11.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
14.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
17.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.			
20.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of exhibitions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

23.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsCase studies and data collection through primary and secondary sources	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

27.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

30.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	interiors			
34.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interior keeping in view – the basic structural requirements, finishes, furniture layout, basic services	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiors	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls,	Lecture	CO2	Quiz & End Sem Exam

	floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
38.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types of materials that are available and their uses in interiorsDesign the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
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	floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
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41.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or	Lecture	CO2	Quiz & End Sem Exam

	around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
42.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.	Lecture	CO2	Quiz & End Sem Exam
43.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.	Lecture	CO2	Quiz & End Sem Exam
44.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and	Lecture	CO2	Quiz & End Sem Exam

	3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design the interiors for a space with a floor area of appx. 300sqm. – 400 sqm in a two storey structure with open courtyards in or around the built structure for 12 - 15 occupants (living or floating) on a plot size of minimum 500sqm.			
45.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.	Lecture	CO2	Quiz & End Sem Exam
46.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with	Lecture	CO2	Quiz & End Sem Exam

	textures, colors, patterns etc.			
47.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.	Lecture	CO2	Quiz & End Sem Exam
48.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.	Lecture	CO2	Quiz & End Sem Exam
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	finishes with different colors, Textures.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.			
50.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior *finishes with different colors, Textures.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO2	Quiz & End Sem Exam
51.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior *finishes with different colors, Textures.*	Lecture	CO3	Quiz & End Sem Exam
52.	Layout and Constructional details of furniture units, Application of color, texture, pattern and their psychological effects in interiors, Drawing of interiors in 2D and 3D views to understand the space design. Interior Model of the space with all furniture, interior details in place and interior finishes with different colors, Textures.Layout and Constructional details of	Lecture	CO3	Quiz & End Sem Exam

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57.	Layout and Constructional details of furniture units, Application of color, texture,	Lecture	CO3	Quiz & End Sem

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60.	Layout and Constructional details of furniture units, Application of color, texture,	Lecture	CO3	Quiz & End Sem Exam

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61.	Interior Design for specific ideas and select materials appropriate to intended purpose and to understand the visuals, tactile and functional characteristics, Develop an understanding of structures, special awareness, materials and processes, Develop skills in design development using working drawing, visual, scale models and prototypes followed by effective presentations of proposed design solutions of *exhibitions.Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
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	and prototypes followed by effective presentations of proposed design solutions of *exhibitions.*			
81.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types *of materials that are available and their uses in interiors.*	Lecture	CO3	Quiz & End Sem Exam
82.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc. Interior details in terms of lighting, services, interior landscape etc, Different types *of materials that are available and their uses in interiors.*	Lecture	CO3	Quiz & End Sem Exam
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86.	Space organization in exhibition interiors, Surface treatments in interiors e.g. walls, floors, ceilings etc.	Lecture	CO3	Quiz & End Sem Exam

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F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The different types of exhibition and presentation spaces and the interior design requirements related to them.	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-
CO 02	he objective of the course is to introduce the students with the different types of exhibition and presentation spaces and the interior design requirements related to them.																	
CO 03	The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –IV) 2021-22

Class: BID IV Semester						
Subject Name: BID 401 Interior Design Studio – IV		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2

Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID401 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :: Materials and Construction Techniques – III
Course Code : BID 402, Crédits : 03, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.

A. Course Outcomes: At the end of the course, students will be able to:

CO1: Familiarize the students with advanced and speedy building techniques. The understanding for the system to be adopted for the construction of large span structures.

CO2: To introduce and familiarize the students with advanced and speedy building techniques

CO3: The understanding for the system to be adopted for the construction of large span structures.

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a

variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

D. Syllabus

Module I: Reinforced Cement Concrete

Descriptors/Topics

Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability

Module II: Prefabrication

Descriptors/Topics

Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.

Module III: False Ceilings

Descriptors/Topics

Introduction to false ceiling with all kind of materials, types and fixing methods.

Module IV: Steel/ Aluminum/Pre-fabrication windows

Descriptors/Topics
Steel casement windows with fixtures, fittings and methods of fixing.

Module V: Glazing

Descriptors/Topics
Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.

Module VI: Miscellaneous finishes

Descriptors/Topics
Flyash, Ceramics, Plastics, Rubber,

Module VII: Commercial Interior, Office Interior, Industrial Interiors

Descriptors/Topics
Structural steel works, Portal Frame Construction Techniques and construction materials.**Design problem**

Descriptors/Topics

The course should involve different design ideas and schemes to represent the designing of exhibition spaces, as these are the prime area of designing emerging in the modern world

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] A VisualDictionary of Architecture, Francis D.K. Ching

[2] Interior design illustrated, Francis D.K. Ching

[3] House Book (The Complete Guide to Home Design), Terence Conran

[4] Masonry (Concrete, Brick, Stone), Christine Beall

[5] Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

References:

▫ **Window Fashion, Charles T. Randall**

- **Illustration + Perspectives (In Pantone Colors), Eiji Mitooka**
- **Elements of Architecture – Meiss Pieree Von**
- **Architecture: Form, Space and Order – Francis D.K. Ching**
- **The Construction of Building Vol- 1 to 5, R. Barry**
- **Building Construction, N.L. Arora &, B.R. Gupta**
- **Interior Detail – 1 (Residence), Jeong, Kwang Young**
- **Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group**

E. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and *reinforced Brick Concrete, Qualities and workability*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workabilityDesign problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

6.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Reinforced Cement Concrete: Types, Mixing, Curing, Water Cement Ratio, and reinforced Brick Concrete, Qualities and workability	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

14.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	components etc.			
21.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Systems- open prefab system, large panel prefab system, joints, pre-casting methods, materials, on – site and off- site prefabrication, components etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Introduction to false ceiling	Lecture	CO2	Mid Term-

	with all kind of materials, types and fixing methods			2, Quiz & End Sem Exam
31.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Introduction to false ceiling with all kind of materials, types and fixing methods	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
38.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
39.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
40.	Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.	Lecture	CO2	Quiz & End Sem Exam
41.	Skylights, Curtain walls, Double glazing, Eco Boards, wood and its products.	Lecture	CO2	Quiz & End Sem Exam
42.	Steel casement windows with fixtures, fittings and methods of fixing	Lecture	CO2	Quiz & End Sem Exam
43.	Flyash, Ceramics, Plastics,	Lecture	CO2	Quiz &

	Rubber			End Sem Exam
44.	Flyash, Ceramics, Plastics, Rubber	Lecture	CO2	Quiz & End Sem Exam
45.	Structural steel works, Portal Frame Construction Techniques and construction *materials.*	Lecture	CO2	Quiz & End Sem Exam

F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Familiarize the students with advanced and speedy building techniques. The understanding for the system to be adopted for the construction of large span structures.	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-
CO 02	To introduce and familiarize the students with advanced and speedy building techniques																	
CO 03	The understanding for the system to be adopted for the construction of large span structures.	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –IV) 2021-22

Class: BID IV Semester

Subject Name: BID 402 Materials and Construction Techniques – III	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 402 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
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	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
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	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
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	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Building Services - II (Electrical, Fire Fighting & Security)
Course Code : BID 403, Crédits : 03, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:
CO1:The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.
CO2: To initiate students into study of artificial and natural lighting
CO3: Introduction of fire regulations, firefighting equipment and life safety systems in terms of theory and its practical implementation in design.

B. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color

to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design

solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

D. Syllabus

Module I: Natural/artificial lighting

Descriptors/Topics

Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting

Module II: Internal/ external wiring

Descriptors/Topics

Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.

Module III: Fire Regulations

Descriptors/Topics

Fire resistant and fire retardants materials and their application

Module IV: Firefighting Equipment

Descriptors/Topics

Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance.

Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.

Module V: Life Safety Systems

Descriptors/Topics

Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:Text Reading:

[1]

Air Conditioning, S. Shah

[2]

The Construction of Building Vol - 1 to 5, R. Barry

[3]

Drywall(Pro Tips for Hanging& Finishing), John D. Wagner

[4]

Graphic Interiors (Space Designed by Graphic Artists), Corina Dean

[5]

Interior design illustrated, Francis D.K. Ching

[6]

Graphic Interiors (Space Designed by Graphic Artists), Corina Dean

References:

- Building Construction, N.L. Arora &, B.R. Gupta
- Building Services, Anthony Rowley
- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

3.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	conditions, Various systems of lighting			
9.	Natural/artificial lighting, Lighting of spaces, Lighting Equipment, Lighting conditions, Various systems of lighting	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

15.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Methods of Internal/ external wiring, Branch distribution boards, Lighting layout, fittings and fixtures.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Fire resistant and fire retardants materials and their application Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

22.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.			
30.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

34.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Firefighting Equipment, Fire resistant and methods to use, Code of Safety, fire regulations, fire insurance. Wet risers, dry risers, sprinklers, smoke detectors, fire exists, water curtains.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam

38.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
39.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
40.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
41.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
42.	Intelligent interior consists of the use of high technology to maximize the	Lecture	CO2	Quiz & End Sem Exam

	performance of fire alarms and security systems while at the same time minimizing costs.			
43.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
44.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam
45.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO2	Quiz & End Sem Exam

E. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES	CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO 01	The course will use a mix of drawings, Presentations & hands on workshop. Participants are encouraged to engage in active interaction through classroom participation.	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-
CO 02	To initiate student into study of artificial and natural lighting																	
CO 03	introduction of fire regulations, firefighting equipment and life safety systems in terms of theory and its practical implementation in design.	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22		
Class: BID IV Semester		
Subject Name: BID 403 Building Services - II (Electrical, Fire Fighting & Security)	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 403 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY ASAP GWALIOR MADHYA PRADESH

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
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III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
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	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
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IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
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	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
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	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
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	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
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	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
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	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

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MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Estimation, Specification & Costing
Course Code : BID 404, Crédits : 03, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:
CO1:Student should be able to working out quantities schedule of rates and Bill of Quantities.
CO2:The objective of the course is to initiate into the theories and practices of estimation and surveying. In a project with the specification of the materials and quantities used along with their costing in the project of any kind either selected by the student or given by the college.

B. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color

to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design

solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

D. Syllabus

Module I: Introduction

Descriptors/Topics

Introduction to estimation, Estimation calculations, types of calculation, special jobs

Module II: Specifications

Descriptors/Topics

Introduction to specifications and writing detailed specification for various building

materials, building construction works.

Module III: B.O.Q

Descriptors/Topics

Fire resistant and fire retardants materials and their application

Module IV: Firefighting Equipment

Descriptors/Topics

Working out quantities schedule of rates and Bill of Quantiti

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1] The Construction of Building Vol - 1 to 5, R. Barry

[2]

Building Construction,N.L. Arora &, B.R. Gupta

References:

- Design for Living
- R.L.BAWA, Boniface G. Fernandes
- Metric Hand book (Planning and Design)

Edited by David Alder

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

1.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

10.	Introduction to specifications and writing detailed specification for various building materials, building construction works.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

18.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

27.	Fire resistant and fire retardants materials and their application	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

36.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
38.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
39.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
40.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
41.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
42.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
43.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam
44.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam

45.	Working out quantities schedule of rates and Bill of Quantities	Lecture	CO2	Quiz & End Sem Exam

E. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Student should be able to working out quantities schedule of rates and Bill of Quantities.	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-
CO 02	The objective of the course is to initiate into the theories and practices of estimation and surveying. In a project with the specification of the materials and quantities used along with their costing in the project of any kind either selected by the student or given by the college.																	

Sample Question Paper

Amity School of Architecture & Planning
I MID-SEMESTER (SEM –IV) 2021-22

Class: BID IV Semester

Subject Name: BID 404 Interior Estimation, Specification & Costing	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 404 is level 1 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

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PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Workshop – III (Ceramics, metal and mural)
Course Code : BID 405, Crédits : 04, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

A. Course Outcomes: At the end of the course, students will be able to:

CO1:They are familiar with technology that is used to design ceramics metal and wall art work in construction market to design high-end products.

CO2: Ceramic, metal and mural designing course is a combination of creativity, science as well as technology.

CO3:The ceramic, metal and mural designing is an exclusive and creative course for students who want to study designing as well as engineering for open-end career options in Interior decoration.

CO4: The course, designed in a way that students learn technology for production of Glasses has advanced to designing in a way that is safe for environment and energy efficient.

CO5: The Glass and Ceramics based products, over the years have become luxurious and artistic with lightweight, energy-saving and wear-resistant ceramic products such as ceramic ceiling tiles, floor tiles, ceramic sanitary-wares, pottery, table-ware,ornamental-ware, biomedical implants, jeengine turbines, bullet-resistant vests etc.

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End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. **Syllabus**

Module I: Introduction

Descriptors/Topics

Introduction to Ceramics and metal models ,wall paintings

Module II: Tools and techniques for hard material designing

Descriptors/Topics

Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco

Module III: Model making and manufacturing

Descriptors/Topics

Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

[1]
Things of Beauty Growing by Glenn Adamson, Glenn Adamson, MartinaDroth, Simon Olding [2]

Ceramics: Materials for InspirationalDesign (Interior and Industrial Design)

References:

- Design for Living
- R.L.BAWA, Boniface G. Fernandes

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

1.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to estimation, Estimation calculations, types of calculation, special jobs	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

10.	Introduction to specifications and writing detailed specification for various building materials, building construction works.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

18.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Fire resistant and fire retardants materials and their application	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Introduction to tools and techniques for Ceramics and metal models ,wall	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	paintings/mural /stucco			
26.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

32.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
38.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam

39.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
40.	Introduction to tools and techniques for Ceramics and metal models ,wall paintings/mural /stucco	Lecture	CO2	Quiz & End Sem Exam
41.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
42.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
43.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
44.	Work within a variety of composite models of ceramics ,metals and hands on wall	Lecture	CO2	Quiz & End Sem Exam

	paintings in different mediums			
45.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
46.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
47.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
48.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
49.	Work within a variety of composite models of ceramics ,metals and hands on wall	Lecture	CO2	Quiz & End Sem Exam

	paintings in different mediums			
50.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
51.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
52.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
53.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
54.	Work within a variety of composite models of ceramics ,metals and hands on wall	Lecture	CO2	Quiz & End Sem Exam

	paintings in different mediums			
55.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
56.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
57.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
58.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam
59.	Work within a variety of composite models of ceramics ,metals and hands on wall	Lecture	CO2	Quiz & End Sem Exam

	paintings in different mediums			
60.	Work within a variety of composite models of ceramics ,metals and hands on wall paintings in different mediums	Lecture	CO2	Quiz & End Sem Exam

E. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	They are familiar with technology that is used to design ceramics metal and wall art work in construction market to design high-end products.	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-
CO 02	Ceramic, metal and mural designing course is a combination of creativity, science as well as technology.																	

CO 03	The ceramic, metal and mural designing is an exclusive and creative course for students who want to study designing as well as engineering for open-end career options in Interior decoration.	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-
CO 04	The course, designed in a way that students learn technology for production of Glasses has advanced to designing in a way that is safe for environment and energy efficient.																	
CO 05	The Glass and Ceramics based products, over the years have become luxurious and artistic with lightweight, energy-saving and wear-resistant ceramic products such as ceramic ceiling tiles, floor tiles, ceramic sanitary-wares, pottery, table-ware,ornamental-																	

	ware, biomedical implants, jeengine turbines, bullet-resistant vests etc.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 405 Workshop – III (Ceramics, metal and mural)		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
	Q.5a	Elaborate different cloud types with example.	3

CO2	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code bid 405 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Product Design
Course Code : BID 406, Crédits : 02, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The students should be able to apply to develop a design solution by inter-relationship of various parameters through design process, gather data, analyze, synthesize.Provide design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology

Co2: To understand the inter-relationship of various parameters through design process, gather data, analyze, synthesize and apply to develop a design solution.

C**O3 : T**o explore design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology

CO4: The primary objective of a design studio is to inculcate in a student the attitude of evolving a design process for herself/himself

B . Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design

solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

C. Syllabus

Module I: Redesigning a product - Design theory and methodology

Descriptors/Topics

Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.

Module II: Redesigning a product - Analysis and synthesis

Descriptors/Topics

Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation.

Module III: Contemporary Design - Product research and User survey

Descriptors/Topics

Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.

Module IV: Contemporary Design - Analysis of research study and concept Generation

Descriptors/Topics

Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials

Module V: Contemporary Design - Implementation and documentation

Descriptors/Topics

Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

• Product And Furniture Design The Manufacturing Guides By Rob Thompson, Thames&Hudson, 1st

Edition,(2011)

• Handmade In India By M.P. Ranjan And Aditi Ranjan, Arihant Publications India Ltd., 1st Edition,(2008)

References:

• 50 Product Designs From Concept To Manufacture By Jennifer Hudson, Laurence King Publishing, 2nd

Edition,(2008)

• The Design Of Everyday Things By Norman A Donald, Basic Books, 1st

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

4.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Case study of various products to understand the design methodology, Identification and detailed study of any product to redesign, Data collection of research study.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	identification, technology, color, usage etc, Prototype making and presentation			
9.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

12.	Concept generation on the basis of analytical approach of thorough research study of a product, detailing included material identification, technology, color, usage etc, Prototype making and presentation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

16.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Case study and analytical approach on contemporary designers, Identification of area to design a product and research study, Building up design –brief, market and user survey.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Data analysis of market and user survey, Re-define design brief, Concept generation	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	with inclusion of ergonomics, form, manufacturing process, selectiPon of materials			
21.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Data analysis of market and user survey, Re-define design brief, Concept generation with inclusion of ergonomics, form, manufacturing process, selectiPon of materials	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Model making / prototyping, Branding, packaging & product graphics, Final	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	presentation and documentation.			
26.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Model making / prototyping, Branding, packaging & product graphics, Final presentation and documentation.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

D. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The students should be able to apply to develop a design solution by inter-relationship of various parameters through design process, gather data, analyze, synthesize.Provide design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-
CO 02	To understand the inter-relationship of various parameters through design process, gather data, analyze, synthesize and apply to develop a design solution.																	
CO 03	**T**o explore design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-

CO 04	The primary objective of a design studio is to inculcate in a student the attitude of evolving a design process for herself/himself																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 406 Product Design		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 406 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :Interior Landscape Design
Course Code : BID 407, Crédits : 02, Session :2021-22 (Even Sem.), Class : BID 2nd Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction:

Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1:The knowledge of landscaping design parameters, landscape elements, plant materials etc. Use in the interiors effectively for aesthetic enhancement and visual comfort.

Co2: To develop a conceptual understanding of landscaping design parameters for various built forms.

CO3: To develop skills in integrating landscape design with built environments.
CO4:This course introduces students to the knowledge of landscaping design parameters, landscape elements, plant materials etc. to use in the interiors effectively for aesthetic enhancement and visual comfort.

CO5: Study of landscapes, their use in landscape. Introductions to design principals & methodology of landscape design

B . Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design

solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

B. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment

problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

C. Syllabus

Module I: Introduction to landscape architecture

Descriptors/Topics

role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior

landscape.

Module II: Introduction to study of plants in relation to landscape design and interiors

Descriptors/Topics

Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.

Module III: Design with plants

Descriptors/Topics

Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment.

Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.

Module IV: Landscaping design parameters for various types of built forms

Descriptors/Topics

indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

- **Laurie, Michael, An Introduction to Landscape. 2nd edition, PrenticeHall, New Jersey, 1986.**
- **Trivedi. P.Prathiba. Beautiful Shrubs. Indian council of AgriculturalResearch.New Delhi, 1990.**
- **Hacheat, Blan. PlantDesign.**

References:

- **Gerald Robert Vizenor , A Guide to Interior Landscapes, Univ of Minnesota Press, 1990.**
- **NelsonHammer and Mel Green, Interior Landscape Design, Mc Graw Hill, 1991**

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

3.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	role of landscaping design in the built environment. Types of natural elements –	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	stones, rocks, pebbles, water forms, plants and vegetation. Elements of interior landscape.			
8.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium)	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.			
11.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
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13.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.			
14.	Types of indoor plants, plant characteristics: i.e., biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. (herbarium) Botanical nomenclature, anatomy and physiology of plant growth. Indoor plants in Indian context. Market survey and costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	feature and grouping them into meaningful composition s for visual and functional effects.			
16.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
18.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
20.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
22.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Basic principles of designs. The physical attribute of plants and relation to design.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.			
24.	Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment. Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful composition s for visual and functional effects.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

25.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

27.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

29.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- color, texture, foliage. Science of maintaining and growing greenery. Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement. Automatic irrigation costing and installation of micro irrigation systems.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

D. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO 01	**The knowledge of landscaping design parameters, landscape elements, plant materials etc. Use in the interiors effectively for aesthetic enhancement and visual comfort.**	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-
CO 02	To develop a conceptual understanding of landscaping design parameters for various built forms.																	
CO 03	To develop skills in integrating landscape design with built environments.	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-
CO 04	This course introduces students to the knowledge of landscaping design parameters, landscape elements, plant materials etc. to use in the interiors effectively for aesthetic enhancement and																	

	visual comfort.																	
CO 05	Study of landscapes, their use in landscape. Introductions to design principals & methodology of landscape design																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –IV) 2021-22						
Class: BID IV Semester						
Subject Name: BID 407 Interior Landscape Design		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 407 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – V
Course Code : BID 501, Crédits : 06, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***• Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The students should be able to: Solve technical and practical issues encountered while designing while designing most functional office space.

CO2: This unit focuses and function 3-D and spatial design of offices.

CO3: This unit addresses the technical and practical issues encountered while designing while designing most functional office space.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: ***Introduction - Office Design***

Descriptors/Topics

Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.

Module II: ***: Requirements***

Descriptors/Topics

Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.

Module III: Concepts

Descriptors/Topics

Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.

Module IV: Presentation

Descriptors/Topics

Final presentation of the work through graphical representation by different techniques.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Drawing a Creative Process, Francis D.K. Ching
[2] Design Drawing + CD, Francis D.K. Ching
[3] Architecture Graphics, Francis D.K. Ching 4th Edition
[4] Interior design & space planning, Dechiara Pabero Zelnik
[5] Interior design illustrated, Francis D.K. Ching
[6] Graphic Interiors, (Space Designed by Graphic Artists), Corina Dean
[7] Home Plumbing (The David & Charles Manual of), Ernest Hall
[8] House Book (The Complete Guide to Home Design), Terence Conran
[9] Illustration + Perspectives (In Pantone Colors)
[10] Interior Style & Design (Frank Lloyd Wright) Doreem Ehrlich, Eiji Mitooka

References:

- *Architectural Graphic standards editor, Boaz Joseph*
- *Neufert's Architect's data*
- *Time Saver standards for building types, Editor Joseph D.C. and John Callender.*
- *Kitchen & Bath, Montse Zapata*
- *Bed room, Lestey Taylor*
- *The Curtain Book, Mitchll Beazlty*
- *Interior Design Visual, Maureen Mitton 2nd Edition*
- *100 Bright Ideas For color, Sue Rose*
- *Window Fashion, Charles T. Randall*

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem	Lecture	CO1	Mid Term-

	Introduction			1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Study and research of all interior elements i.e. furniture, false ceiling, light	Lecture	CO1	Mid Term-1, Quiz & End Sem

	and other equipments required in an office interior and making a presentation of the same.			Exam
11.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

17.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	required in an office interior and making a presentation of the same.			
24.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Study and research of all interior elements i.e. furniture, false ceiling, light and other equipments required in an office interior and making a presentation of the same.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

31.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
38.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
39.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
40.	Identifying the needs of the	Lecture	CO2	Quiz &

	client and understanding the requirements needed for the proper functioning of the office space.			End Sem Exam
41.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
42.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
43.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
44.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
45.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
46.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
47.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam
48.	Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.	Lecture	CO2	Quiz & End Sem Exam

49.	*Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.*	Lecture	CO2	Quiz & End Sem Exam
50.	*Identifying the needs of the client and understanding the requirements needed for the proper functioning of the office space.*	Lecture	CO2	Quiz & End Sem Exam
51.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
52.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
53.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
54.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
55.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
56.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam

57.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
58.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
59.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
60.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
61.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
62.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
63.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam

64.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
65.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
66.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
67.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
68.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
69.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
70.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam

71.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
72.	*Developing of concepts for an office interior spaces, Making technical drawings of the design given, Study the materials used in the interior spaces of the building.*	Lecture	CO3	Quiz & End Sem Exam
73.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
74.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
75.	*Design should be presented in 3D drawings (perspectives, axonometric, isometric views) rendered with textures, colors, patterns etc.*	Lecture	CO3	Quiz & End Sem Exam
76.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
77.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
78.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
79.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam

80.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
81.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
82.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
83.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
84.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
85.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
86.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
87.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
88.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
89.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam
90.	*Final presentation of the work through graphical representation by different techniques.*	Lecture	CO3	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 501 Interior Design Studio – V		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 501 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :: Material & Construction Techniques – IV
Course Code : BID 502, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***•Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: • To introduce and familiarize the students with the various construction equipment required for speedy and effective construction work.

CO2: • To study the causes and remedies of various defects in existing and new construction.

CO3: . • Understanding the need and application of modular coordination in buildings.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

E. Syllabus

Module I: ***Vertical Components connecting the building - Ramps***

Descriptors/Topics

Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.

Module II: ***Vertical Components connecting the building – Staircases and Lifts***

Descriptors/Topics

Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.

Module III: Parapets and Railings

Descriptors/Topics

Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.

Module IV: Modular Construction and Prefabrication

Descriptors/Topics

Assembly of components, modules, Standardization in buildings and design their components.

Module V: Commercial Interior, Office Interior, Industrial Interiors

Descriptors/Topics

Structural steel works, Portal Frame Construction Techniques and construction materials.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Building Construction Vol-1 to 4,W.B.Mckay, J.K. Mckay
[2] The Construction of Building Vol- 1 to 5, R. Barry
[3] Building Construction, N.L. Arora &, B.R. Gupta

References:

- *Design for Living, R.L. BAWA, Boniface G. Fernandes*
- *Metric Hand book (Planning and Design), David Alder*
- *Building Construction illustrated, Francis D.K, Ching 3rd Edition*

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Study and designing of	Lecture	CO1	Mid Term-

	vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.			1, Quiz & End Sem Exam
10.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Study and designing of vertical connecting components namely as	Lecture	CO1	Mid Term-1, Quiz & End Sem

	Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.			Exam
14.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Study of different types of stairs, different types of	Lecture	CO1	Mid Term-1, Quiz &

	materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.			End Sem Exam
19.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Study of different types of stairs, different types of materials used for finishes, their advantages, disadvantages, and application methods. Introducing types of lifts with their materials & specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Study of various types of	Lecture	CO1	Mid Term-

	parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.			2, Quiz & End Sem Exam
24.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along with their design thumb rules, execution aspects, aesthetic qualities, etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Study of various types of parapets and Railings, different types of materials used for railings and parapets , varieties of railing designs used for railings in interiors along	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	with their design thumb rules, execution aspects, aesthetic qualities, etc.			
28.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Assembly of components, modules, Standardization in buildings and design their components.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
38.	Structural steel works, Portal Frame Construction Techniques and	Lecture	CO2	Quiz & End Sem Exam

	construction materials.			
39.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
40.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
41.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
42.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
43.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
44.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam
45.	Structural steel works, Portal Frame Construction Techniques and construction materials.	Lecture	CO2	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-

CO 02	Develop the design fo all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 501 Interior Design Studio – V		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 502 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : : Building Interior Services - III (HVAC & Acoustics, Lift & Escalators)
Course Code : BID 503, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***•Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: • Studying advanced and specialized services for complex buildings.

CO2: • Applying in architectural design and preparation layout and details.

CO3: . • To initiate students into theory and practice of Acoustics

CO4: •Introduction of HAVC in terms of theory and practical implementation.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

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End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

E. Syllabus

Module I: *: **Introduction and terminology***

Descriptors/Topics

Properties of audible sound, intensity and loudness, frequency and pitch, quality

Module II: *: **Acoustics***

Descriptors/Topics

Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.

Module III: : HAVC (Heating, Ventilation and Air Conditioning)

Descriptors/Topics

Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation

Module IV: Air Conditioning

Descriptors/Topics

Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures

Module V: Lift & Escalators

Descriptors/Topics

Lifts/ Elevators/ Escalators in interior design

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Air Conditioning, S. Shah
[2] The Construction of Building Vol - 1 to 5, R. Barry
[3] A Visual Dictionary of Architecture, Francis D.K. Ching
[4] Interior design illustrated, Francis D.K. Ching

References:

- Building Construction, N.L. Arora &, B.R. Gupta
- Building Services, Anthony Rowley
- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching
- The Construction of Building Vol- 1 to 5, R. Barry
- Building Construction, N.L. Arora &, B.R. Gupta
- Interior Detail – 1 (Residence), Jeong, Kwang Young

- Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Grou

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Properties of audible	Lecture	CO1	Mid Term-

	sound, intensity and loudness, frequency and pitch, quality			1, Quiz & End Sem Exam
10.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Properties of audible sound, intensity and loudness, frequency and pitch, quality	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.			
17.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	halls.			
20.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Common acoustical defects: Echo. Insufficient loudness, external noise, reverberation. Constructional measures for sound insulation of building: Materials, Hollow and composite wall construction, flooring and ceiling. Acoustic design considerations for the following: Auditorium, conference rooms, seminar halls.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	Mechanical ventilation			
25.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Natural Ventilation, Heating of spaces – local and central heating, Heating Equipment, Comfort conditions, Mechanical ventilation	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Various systems of air conditioning – Window Unit, split, Chilled water	Lecture	CO2	Mid Term-2, Quiz & End Sem

	system, Duct work and air conditioning layout, fittings and fixtures			Exam
33.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Various systems of air conditioning – Window Unit, split, Chilled water system, Duct work and air conditioning layout, fittings and fixtures	Lecture	CO2	Quiz & End Sem Exam
38.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
39.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
40.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
41.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
42.	Lifts/ Elevators/ Escalators	Lecture	CO2	Quiz &

	in interior design			End Sem Exam
43.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
44.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam
45.	Lifts/ Elevators/ Escalators in interior design	Lecture	CO2	Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 503 Building Interior Services - III (HVAC & Acoustics, Lift & Escalators) – V		Time: 3 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 503 is level 1 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :: Working Drawings
Course Code : BID 504, Crédits : 02, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***•Laboratory sessions, which support the formal lecture material and also provide the student with practical construction, measurement and debugging skills. Participants are encouraged to engage in active interaction through classroom participation***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: • To impart training in the preparation of working drawings for buildings with specific reference to code of practice and incorporating specifications as complementary to the working drawings

CO2: • The focus of the course is to impart skills related to the preparation of drawings meant for execution on the site.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

E. Syllabus

Module I: Preparation of working drawings

Descriptors/Topics

Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.

Module II: Preparation of plans

Descriptors/Topics

Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.

Module III: Elevations and Sections

Descriptors/Topics

Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.

Module IV: Details of all services

Descriptors/Topics

layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Leibing. W. Ralph, Architectural Working Drawings, 4th edition, John wiley and sons, New York, 1999.

[2] Macey. W. Frank, Specification in detail, 5th edition, Technical press ltd, London, 1955.

[3] Shah, M.G.; and others, Building Drawing : An integrated approach to build environment, 3rd ed, Tata McGraw Hill Pub. Co. Ltd, New Delhi, 1996.

[4] Fredd Stitt, Working Drawing Manual, McGraw-Hill Professional; 1st edition, 1998. Kilmer, Workind Drawings and Details for Interiors, John Wiley and Sons,

G. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem	Lecture	CO1	Mid Term-

	Introduction			1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	elevations, details etc.			
12.	Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

21.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Detailed sectional elevations of all the walls in the interior with al the required dimensions and specifications.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	finishing details, material, color and texture details, fixture and fixing and joinery details.			
28.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

H. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 503 Building Interior Services - III (HVAC & Acoustics, Lift & Escalators) – V		Time: 3 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 504 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX																					
SEM	**SUBJECT CODE**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PO 13**	**PO 14**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 5**	**PSO 6**
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-

VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-
	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course :Revitalization of Art & Craft - I
Course Code : BID 505, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***•The formal lecture material and also provide the student with case study, hands on skills. Participants are encouraged to engage in active interaction through classroom participation.***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: • Understanding of art/craft forms as design elements and its relevant application in the modern society, Modernization of old craft technology for better forms for interior

CO2: • The course provides an understanding of the role of revitalization of Art/Craft form in Interior Spaces.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a

variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

E. Syllabus

Module I: Identification of private and public craft

Descriptors/Topics

Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.

Module II: Art and built form

Descriptors/Topics

Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.

Module III: Studies related to the Craft Sector

Descriptors/Topics

Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Indian handicrafts, Ministry of information broadcasting ,Govt.of India,1972.

[2] Laura Slack, What is product Design? Roto Vision publishers, 2006

[3] Treena Crochet and David Vleck, Designer"s ,Guide to Decorative Accessories,:Prentice Hall, Ist edition, 2008.

[4] Michael Ashby, Kara Johnson, Materials and Design: The Art and Science of material selection in product design, Butter Worth Heinemann, 1st edition, 2002.

[5] International Design Yearbook, 1995: Furniture, Lighting, Tableware, Textiles and Products, Books Nippan, 1996.

[6] Karl. T. Ulrich, Steven D. Eppinger, Product Design and Development, McGraw-Hill Education Singapore; 4th edition, 2007

[7] William Lidwell, Kritina Holden, Jill Butler ,Universal principles of Design, Rockport publishers, 2003.

[8] June Fish, Designing and Printing textiles, Crowood press, 2005

[9] R.W.Lee, Printing on Textiles by Direct and Transfer Techniques, Noyes Data Corporation, 1981

[10] Marypaul Yates, Fabrics: A guide for architects and Interior Designers, Norton publishers, 2002.

[11] Corky Bingelli, Materials for Interior Environments, John wiley and sons,

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO

1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.			
8.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Identification of private	Lecture	CO1	Mid Term-

	and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.			1, Quiz & End Sem Exam
11.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.			
13.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Identification of private and public craft activity around the nation, Various crafts and its perception in the society-design issues in transforming old craft forms into modern context by keeping its original spirits, Select one of the art/craft forms. Visit to the craft pockets, document people life, culture and craft and understand the	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	materials, tools, technology, processes and forms. Suggest suitable changes in technology to improve the products so as to make it acceptable in today's context.			
15.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	Architecture: Decoding Systems and Transformation through Time.			
24.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

	Transformation through Time.			
28.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

31.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

34.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
35.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

37.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.			
38.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.			
39.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.			

40.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
41.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
42.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

43.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
44.	Art and built form in traditional and vernacular buildings: Rajasthan, Gujarat.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
45.	Best Studies related to the Craft Sector, Case Studies From Gujarat, Rajasthan, Uttarakhand, Miscellaneous Case Studies, Craft and Technology in Interior Architecture: Decoding Systems and Transformation through Time.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 505 Building Interior Services - Revitalization of Art & Craft - I		Time: 3 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 505 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Furniture Detailing – I
Course Code : BID 506, Crédits : 02, Session :2021-22(Odd Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** ***•The formal lecture material and also provide the student with case study, hands on skills. Participants are encouraged to engage in active interaction through classroom participation.***

B. **Course Outcomes:** At the end of the course, students will be able to:

CO1: • The history of furniture is also to be introduced and described as the part of the

CO2: • The aim of the course is to make the students aware of the furniture designing which is a important part of interior design.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a

variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

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PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

E. Syllabus

Module I: Furniture design

Descriptors/Topics

Introduction to furniture design, analyzing furniture type, form and designing.

Module II: Furniture materials

Descriptors/Topics

Introduction to furniture design materials used.

Module III: Parameters

Descriptors/Topics

Analyzing working parameters and visual perception of furniture.

Module IV: Measuring drawing

Descriptors/Topics

Measuring drawing of a simple furniture and make it in the workshop, Introduction to various typology of furniture.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. ***Text Reading:***

[1] Indian handicrafts, Ministry of information broadcasting ,Govt.of India,1972.

[2] Laura Slack, What is product Design? Roto Vision publishers, 2006

[3] Treena Crochet and David Vleck, Designer"s ,Guide to Decorative Accessories,:Prentice Hall, Ist edition, 2008.

[4] Michael Ashby, Kara Johnson, Materials and Design: The Art and Science of material selection in product design, Butter Worth Heinemann, 1st edition, 2002.

[5] International Design Yearbook, 1995: Furniture, Lighting, Tableware, Textiles and Products, Books Nippan, 1996.

[6] Karl. T. Ulrich, Steven D. Eppinger, Product Design and Development, McGraw-Hill Education Singapore; 4th edition, 2007

[7] William Lidwell, Kritina Holden, Jill Butler ,Universal principles of Design, Rockport publishers, 2003.

[8] June Fish, Designing and Printing textiles, Crowood press, 2005

[9] R.W.Lee, Printing on Textiles by Direct and Transfer Techniques, Noyes Data Corporation, 1981

[10] Marypaul Yates, Fabrics: A guide for architects and Interior Designers, Norton publishers, 2002.

[11] Corky Bingelli, Materials for Interior Environments, John wiley and sons,

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz &

				End Sem Exam
2.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Design problem Introduction*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Design problem Introduction	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and designing of vertical connecting components namely as Ramps, etc. with use of various construction materials for interior purpose , their design parameters depending on quantum of use, feasibility, functionality, aesthetics etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to furniture	Lecture	CO1	Mid Term-

	design, analyzing furniture type, form and designing			1, Quiz & End Sem Exam
12.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to furniture design, analyzing furniture type, form and designing	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Introduction to furniture design materials used.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Analyzing working parameters and visual perception of furniture	Lecture	CO1	Mid Term-2, Quiz & End Sem

				Exam
23.	Analyzing working parameters and visual perception of furniture	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Analyzing working parameters and visual perception of furniture	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Analyzing working parameters and visual perception of furniture	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Analyzing working parameters and visual perception of furniture	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Analyzing working parameters and visual perception of furniture	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Analyzing working parameters and visual perception of furniture	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Analyzing working parameters and visual perception of furniture	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Analyzing working parameters and visual perception of furniture	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	Apply knowledge of construction material, methods, and process to transform idea in to design;																	
CO 02	Develop the design for all kind of wooden material, Staircase, door, window, glazed window and partition, paneling and storage cabinet;																	
CO 03	Compare different design suiting the purpose/function and principles of design;																	

Sample Question Paper

Amity School of Architecture & Planning MID-SEMESTER (SEM –V) 2021-22						
Class: BID V Semester						
Subject Name: BID 506 Building Interior Services - Furniture Detailing - I		Time: 3 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO2	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO3	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO3	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 506 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio – VI
Course Code : BID 601, Crédits : 06, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. Introduction: The formal lecture material and also provide the student with case study, presentations & hands on skills. Participants are encouraged to engage in active interaction through classroom participation.

B. Course Outcomes: At the end of the course, students will be able to:
CO1: This unit focuses and function 3-D and spatial design of Hotels/ Resorts.
CO2: This unit addresses the technical and practical issues encountered while designing while designing most functional Hotels/ Resorts.
CO3: Pre-requisites: The students must possess fair understanding of basic design principles, design procedures and techniques of interior design.

C. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: Introduction - Hotels/ Resorts Design

Descriptors/Topics

Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same. Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.

Module II: Requirements

Descriptors/Topics

Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.

Module III: Concepts

Descriptors/Topics

Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.

Module IV: Presentation

Descriptors/Topics

Final presentation of the work done.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

Text Reading:

- Drawing a Creative Process, Francis D.K. Ching
- Design Drawing + CD, Francis D.K. Ching
- Architecture Graphics, Francis D.K. Ching 4th Edition
- Interior design & space planning, Dechiara Pabero Zelnik
- Interior design illustrated, Francis D.K. Ching
- Graphic Interiors, (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran
- Illustration + Perspectives (In Pantone Colors)
- Interior Style & Design (Frank Lloyd Wright) Doreem Ehrlich, Eiji Mitooka

References:

- Architectural Graphic standards editor, Boaz Joseph
- Neufert's Architect's data
- Time Saver standards for building types, Editor Joseph D.C. and John Callender.
- Kitchen & Bath, Montse Zapata
- Bed room, Lestey Taylor
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Study and research of all interior elements i.e.,	Lecture	CO1	Mid Term-1, Quiz &

	furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.			End Sem Exam
7.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

12.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	interior and making a presentation of the same.			
18.	Study and research of all interior elements i.e., furniture, false ceiling, materials, finishes, lighting and other equipments required in an hotel interior and making a presentation of the same.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	restaurants, clubs, recreational spaces, different types of rooms etc.			
24.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	Study of different functional and supporting	Lecture	CO1	Mid Term-2, Quiz &

	spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.			End Sem Exam
30.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
32.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
33.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
34.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

35.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
36.	Study of different functional and supporting spaces in the functioning of a hotel like Kitchen, restaurants, clubs, recreational spaces, different types of rooms etc.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
37.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
38.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
39.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
40.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
41.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
42.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam

43.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
44.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
45.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
46.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
47.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
48.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
49.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
50.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
51.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam

52.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
53.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
54.	Identifying the needs of the user and understanding the requirements needed for the proper functioning of the Hotels/ Resorts.	Lecture	CO2	Quiz & End Sem Exam
55.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam
56.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam
57.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam
58.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam
59.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam

60.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO2	Quiz & End Sem Exam
61.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
62.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
63.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
64.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
65.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
66.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam

67.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
68.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
69.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
70.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
71.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
72.	Developing of concepts for an Hotels/ Resorts interior space, making technical drawings of the design given, Study the materials used in the interior spaces of the building.	Lecture	CO3	Quiz & End Sem Exam
73.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
74.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
75.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam

76.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
77.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
78.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
79.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
80.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
81.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
82.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
83.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
84.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
85.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
86.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
87.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
88.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
89.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam
90.	Final presentation of the work done.	Lecture	CO3	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	This unit focuses and function 3-D and spatial design of Hotels/ Resorts																	
CO 02	This unit addresses the technical and practical issues encountered while designing while designing most functional Hotels/ Resorts.																	
CO 03	Pre-requisites: The students must possess fair understanding of basic design principles design procedures and techniques of interior design.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 601 Interior Design Studio –VI		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating

Taxonomy						
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 601 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : **Dissertation**
Course Code : BID 602, Crédits : 02, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** Having successfully completed this module you will be able to:
   • Identify key research questions within the field of Demography on which you will carry out independent research
   • Demonstrate knowledge and understanding of report writing.
   • Use and develop written and oral presentation skills. Analyse and synthesise research findings

Course Outcomes: Having successfully completed this module you will be able to:

CO1: Identify key research questions within the field of Demography on which you will carry out independent research.
CO2: Manage your time effectively whilst working on your independent research.
CO3: Demonstrate knowledge and understanding of report writing.
CO4: Use and develop written and oral presentation skills.
Analyse and synthesise research findings.

B. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color

to designs of the interior environment.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

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C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design

solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. Syllabus

Module I: Design Dissertation

Descriptors/Topics

Research focus - Domain research will prepare the base work for the thesis in the final semester. Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic

Module II: Analysis

Descriptors/Topics

Research analysis and data collection, Justification to topic selected

Module III: Methodology

Descriptors/Topics

Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines

Module IV: Designing

Descriptors/Topics

Identification of and preparation for case studies and site, and a checklist for the case and site studies.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

E. Suggested Text/Reference Books:

Text Reading:

- A Visual Dictionary of Architecture, Francis D.K. Ching
- Creative Interiors (Design of Enclosed Space), Shashi Jain
- Commercial Interior Perspectives, Graphic – Sha (Editor)
- Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather

- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Interior Design Visual, Maureen Mitton 2nd Edition
- 100 Bright Ideas For color, Sue Rose
- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Research focus - Domain research will prepare the base work for the thesis in the final semester.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Research focus - Domain research will prepare the base work for the thesis in the final semester.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Research focus - Domain research will prepare the base work for the thesis in the final semester.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Research focus - Domain research will prepare the base work for the thesis in the final semester.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Research focus - Domain research will prepare the base work for the thesis in the final semester.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Research focus - Domain research will prepare the base work for the thesis in the final semester.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to the Interior design dissertation that	Lecture	CO1	Mid Term-1, Quiz &

	shall be in form of a study report for the project undertaken by the students on a theme and topic.			End Sem Exam
9.	Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic.	Lecture	CO2	Quiz & End Sem Exam
12.	Introduction to the Interior design dissertation that shall be in form of a study report for the project undertaken by the students on a theme and topic.	Lecture	CO2	Quiz & End Sem Exam
13.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam
14.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam
15.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam
16.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam
17.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam
18.	Research analysis and data collection, Justification to topic selected.	Lecture	CO2	Quiz & End Sem Exam

19.	Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.	Lecture	CO2	Quiz & End Sem Exam
20.	Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.	Lecture	CO2	Quiz & End Sem Exam
21.	Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.	Lecture	CO3	Quiz & End Sem Exam
22.	Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.	Lecture	CO3	Quiz & End Sem Exam
23.	Base work will involve the scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.	Lecture	CO3	Quiz & End Sem Exam
24.	Base work will involve the	Lecture	CO3	Quiz &

	scope of the study, literature survey for identified parameters, methodology, data collection, secondary case studies, analysis, interpretation, primary guidelines.			End Sem Exam
25.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam
26.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam
27.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam
28.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam
29.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam
30.	Identification of and preparation for case studies and site, and a checklist for the case and site studies.	Lecture	CO3	Quiz & End Sem Exam

F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES	CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Identify key research questions within the field of Demography on which you will carry out independent research.																	
CO 02	Manage your time effectively whilst working on your independent research.																	
CO 03	Demonstrate knowledge and understanding of report writing.																	
CO 04	Use and develop written and oral presentation skills.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 602 Dissertation		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 602 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Adaptive reuse and Refurbishment
Course Code : BID 603, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The course provides an understanding of the role reuse /redesign in Interior Spaces. Understanding of reuses things and materials to enhance sustainability in homes and workspaces.

B. **Course Outcomes: CO1:** The course provides an understanding of the role of using existing resources and proposing a new solution.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (END EXAM)	EE	70%
Total			**100%**

E. Syllabus

Module I: UNDERSTANDING THE NEED OF REUSE

Descriptors/Topics

Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse

Module II: Analysis

Descriptors/Topics

initial design concepts, layouts, and product or material solutions. Creative repair of existing interior design elements, new furniture layout according to required use.

Module III: SUSTAINABLE REUSE

Descriptors/Topics

Introducing the principles of sustainable reuse to the site /interior space selected

Module IV: Design development

Descriptors/Topics

Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

Text Reading:

• Indian handicrafts, Ministry of information broadcasting ,Govt.of India,1972.
• Laura Slack, What is product Design? Roto Vision publishers, 2006
• Treena Crochet and David Vleck, Designer‟s ,Guide to Decorative Accessories,:Prentice Hall, Ist edition, 2008. Components Mid- Term Assignment Attendance End Term (EE) Weightage (%) 10 15 5 70
• Michael Ashby, Kara Johnson, Materials and Design: The Art and Science of material selection in product design, Butter Worth Heinemann, 1st edition, 2002.
• International Design Yearbook, 1995: Furniture, Lighting, Tableware, Textiles and Products, Books Nippan, 1996.
• Karl. T. Ulrich, Steven D. Eppinger, Product Design and Development, McGraw-Hill Education Singapore; 4th edition, 2007
• William Lidwell, Kritina Holden, Jill Butler ,Universal principles of Design, Rockport publishers, 2003.
• June Fish, Designing and Printing textiles, Crowood press, 2005
• R.W.Lee, Printing on Textiles by Direct and Transfer Techniques, Noyes Data Corporation, 1981
• Marypaul Yates, Fabrics: A guide for architects and Interior Designers, Norton publishers, 2002.
• Corky Bingelli, Materials for Inteprior Environments, John wiley and sons, 2

References:

• A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
• Architectural Graphic standards, Boaz Joseph
• The Curtain Book, Mitchll Beazlty
• Interior Design Visual, Maureen Mitton 2nd Edition
• 100 Bright Ideas For color, Sue Rose

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Condition mapping of existing interior, photographing the existing space or site. (a residential unit or a small shop with minimum area of 40 sqm)/need for reuse	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	initial design concepts, layouts, and product or	Lecture	CO1	Mid Term-1, Quiz &

	material solutions.			End Sem Exam
7.	initial design concepts, layouts, and product or material solutions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	initial design concepts, layouts, and product or material solutions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	initial design concepts, layouts, and product or material solutions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	initial design concepts, layouts, and product or material solutions.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Creative repair of existing interior design elements, new furniture layout according to required use.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Creative repair of existing interior design elements, new furniture layout according to required use.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Creative repair of existing interior design elements, new furniture layout according to required use.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Creative repair of existing interior design elements, new furniture layout according to required use.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Creative repair of existing interior design elements, new furniture layout according to required use.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Introducing the principles of sustainable reuse to the site /interior space selected.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Introducing the principles of sustainable reuse to the site /interior space selected.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

18.	Introducing the principles of sustainable reuse to the site /interior space selected.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Introducing the principles of sustainable reuse to the site /interior space selected.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Introducing the principles of sustainable reuse to the site /interior space selected.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

28.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
33.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
37.	Further development of	Lecture	CO1	Quiz &

	floor plan, including presentation of specific interior finish material and fixture recommendations.			End Sem Exam
38.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
39.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
40.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
41.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
42.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
43.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
44.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam
45.	Further development of floor plan, including presentation of specific interior finish material and fixture recommendations.	Lecture	CO1	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The course provides an understanding of the role of using existing resources and proposing a new solution.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 603 Adaptive reuse and Refurbishment		Time: 2 Hrs		Max. Marks: 10		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to	3

		each other?	
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 603 is level 2 for the academic year2021-2022.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Furniture Detailing -II
Course Code : BID 604, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. **Introduction:** The objective of the course is to provide knowledge about analysis of existing piece of furniture in its functional aspect, technical aspects and skill required materials and properties, biomechanical factors and ergonomically consideration, aesthetic consideration and back acing and economic factors consideration.

B. **Course Outcomes: CO1:** The course is to provide knowledge about analysis of existing piece of furniture in its functional aspect, technical aspects and skill required materials and properties, biomechanical factors and ergonomically consideration, aesthetic consideration and back acing and economic factors consideration.

C. **Programme Outcomes:**

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

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specialists through appropriate oral, written, and representational media.

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PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

D. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior

environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

E. Syllabus

Module I: Analyzing furniture

Descriptors/Topics

Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.

Module II: Measurement drawing

Descriptors/Topics

Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale. Design of a simple object having some moving components – folding stool. History of furniture from early days to industrial revolution.

Module III: Modular Aspect

Descriptors/Topics

Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.

Module IV: Furniture Style

Descriptors/Topics Design and understand Post Independence furniture style

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

F. Suggested Text/Reference Books:

Text Reading:

- A Visual Dictionary of Architecture, Francis D.K. Ching
- Creative Interiors (Design of Enclosed Space), Shashi Jain
- Interior design illustrated, Francis D.K. Ching
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran
- Architecture: Form, Space and Order Francis D.K. Ching

References:

- Window Fashion, Charles T. Randall
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Analyzing furniture forms	Lecture	CO1	Mid Term-

	and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.			1, Quiz & End Sem Exam
3.	Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Analyzing furniture forms and designing furniture forms scientifically based	Lecture	CO1	Mid Term-1, Quiz & End Sem

	on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.			Exam
8.	Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Design of a simple object having some moving components – folding	Lecture	CO1	Mid Term-1, Quiz & End Sem

	stool.			Exam
17.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Design of a simple object having some moving components – folding stool.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	History of furniture from	Lecture	CO1	Mid Term-

	early days to industrial revolution.			2, Quiz & End Sem Exam
29.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
33.	History of furniture from early days to industrial revolution.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
37.	Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	Lecture	CO1	Quiz & End Sem Exam
38.	Modular aspect and approach towards all types of furniture, cost criteria of	Lecture	CO1	Quiz & End Sem Exam

	design furniture for lower income sector society.			
39.	Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	Lecture	CO1	Quiz & End Sem Exam
40.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam
41.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam
42.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam
43.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam
44.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam
45.	Descriptors/Topics Design and understand Post Independence furniture style.	Lecture	CO1	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The course is to provide knowledge about analysis of existing piece of																	

	furniture in its functional aspect, technical aspects and skill required material and properties, biomechanical factors and ergonomically consideration, aesthetic consideration and back acing and economic factors consideration.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 604 Furniture Detailing -II		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 604 is level 2 for the academic year 2021-2022.

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AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : DISASTER MANAGEMENT
Course Code : BID 605, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. ***Introduction:*** The formal lecture material and also provide the student with case study, presentations & hands on skills. Participants are encouraged to engage in active interaction through classroom participation.

Course Outcomes: CO1: The course is intended to provide a general concept in the dimensions of disasters caused by nature beyond the human control as well as the disasters and environmental hazards induced by human activities with emphasis on disaster preparedness, response and recovery.

A. ***Programme Outcomes:***

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-

specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

B. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior

environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (END EXAM)	EE	70%
Total			**100%**

C. Syllabus

Module I: Introduction of Disasters

Descriptors/Topics

Definitions, Meaning and Types of Disasters; Overview of Disasters across the World

• Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts

• Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc.

• Identification of Disaster-prone areas; Disaster Vulnerability Mapping

Module II:

Descriptors/Topics

Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer

• Technology for Rebuilding of Disaster Affected Areas

• Psychological Impact on Disaster Victims

• Risk Mitigation and Risk Transfer

Module III:

Descriptors/Topics

• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices

• Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management

• Climate Change and Its Implications in Disaster Mitigation.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

D. Suggested Text/Reference Books:

Text Reading:

• Home Plumbing (The David & Charles Manual of), Ernest Hall
• House Book (The Complete Guide to Home Design), Terence Conran
• Architecture: Form, Space and Order, Francis D.K. Ching
• Elements of Architecture, Meiss Pieree Von
• Architecture: Form, Space and Order, Francis D.K. Ching

References:

• Illustration + Perspectives (In Pantone Colors), Eiji Mitooka
• Elements of Architecture, Meiss Pieree Von

Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	Vulnerability Mapping.			
4.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • *Identification of Disaster-prone areas; Disaster Vulnerability Mapping.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

7.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

10.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

13.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Definitions, Meaning and Types of Disasters; Overview of Disasters across the World • Natural Disasters and Manmade Calamities- Statistics, Degree of Damage, Frequency of Occurrences and Other Historical Facts • Classification of Disasters in India by Predominant Types- Earthquake, Flood, Hurricanes, Fires Etc. • Identification of Disaster-prone areas; Disaster Vulnerability Mapping.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Disaster Preparedness, Response and Post Disaster	Lecture	CO1	Mid Term-1, Quiz &

	Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.			End Sem Exam
17.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	• Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.			
21.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	• Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.			
25.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	Risk Transfer.			
29.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Disaster Preparedness, Response and Post Disaster Recovery and Rehabilitation Measures; Risk Mitigation and Risk Transfer • Technology for Rebuilding of Disaster Affected Areas • Psychological Impact on Disaster Victims • Risk Mitigation and Risk Transfer.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	• Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.			
33.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act -	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.			
36.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
37.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam
38.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster	Lecture	CO1	Quiz & End Sem Exam

	Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.			
39.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam
40.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam
41.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and	Lecture	CO1	Quiz & End Sem Exam

	Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.			
42.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam
43.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam
44.	• Recent Initiatives at International National and State Level; Kyoto Framework of	Lecture	CO1	Quiz & End Sem Exam

	Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.			
45.	• Recent Initiatives at International National and State Level; Kyoto Framework of Disaster Mitigation and Management; Disaster Management Policies and Act - National and States; Select Global Practices • Forecasting and Early Warning Systems for Various Types of Disasters; Communication and Information Technology in Disaster Management • Climate Change and Its Implications in Disaster Mitigation.	Lecture	CO1	Quiz & End Sem Exam

E. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The course is intended to provide a general concept in the dimensions of disasters caused by nature beyond the human control as well																	

	as the disasters and environmental hazards induced by human activities with emphasis on disaster preparedness, response and recovery.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 605 Disaster management		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		Rubric
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 605 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Intelligent Interiors
Course Code : BID 606, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. ***Introduction:*** The formal lecture material and also provide the student with case study, presentations & hands on skills. Participants are encouraged to engage in active interaction through classroom participation

Course Outcomes: CO1: The course provides an understanding of the latest technologies taken into consideration to build an intelligent building.

Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and

business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

A. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (END EXAM)	EE	70%
Total			**100%**

B. Syllabus

Module I: Introduction

Descriptors/Topics

Introduction to the electronic aspects of an intelligent building.

Module II: Energy Efficiency

Descriptors/Topics

Intelligent interiors consist of energy use to the minimum with computerized system.

Module III: Life Safety Systems

Descriptors/Topics

Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.

Module IV: Telecommunication Systems

Descriptors/Topics

Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.

Module V: Workplace automation

Descriptors/Topics

Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

C. Suggested Text/Reference Books:

Text Reading:

- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean

References:

- A.J. Metric Handbook, Jan Bilwa and Leslie Fair weather
- Architectural Graphic standards, Boaz Joseph
- The Curtain Book, Mitchll Beazlty
- Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**
1.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem

				Exam
2.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Introduction to the electronic aspects of an intelligent building.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to the electronic aspects of an intelligent building.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Intelligent interiors consist	Lecture	CO1	Mid Term-

	of energy use to the minimum with computerized system.			1, Quiz & End Sem Exam
14.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Intelligent interiors consist of energy use to the minimum with computerized system.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	and security systems while at the same time minimizing costs.			
23.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	Intelligent interior consists of the use of high technology to maximize the	Lecture	CO1	Mid Term-2, Quiz & End Sem

	performance of fire alarms and security systems while at the same time minimizing costs.			Exam
30.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
33.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Intelligent interior consists of the use of high technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Intelligent interior consists of the use of high	Lecture	CO1	Mid Term-2, Quiz &

	technology to maximize the performance of fire alarms and security systems while at the same time minimizing costs.			End Sem Exam
37.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
38.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
39.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
40.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by	Lecture	CO1	Quiz & End Sem Exam

	virtue of the equipment being shared.			
41.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
42.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
43.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam
44.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam

45.	Intelligence with respect to workplace automation in an intelligent interior consists of the use of high – tech office automation systems to render the operation of a company more efficient. This can be done at a reduced cost to tenants by virtue of the equipment being shared.	Lecture	CO1	Quiz & End Sem Exam

D. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	The course provides an understanding of the latest technologies taken into consideration to build an intelligent building.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22						
Class: BID VI Semester						
Subject Name: BID 606 Intelligent Interiors		Time: 2 Hrs			Max. Marks: 10	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 606 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Exhibition Design
Course Code : BID 607, Crédits : 03, Session :2021-22(Even Sem.), Class : BID 3rd Year
Faculty Name : Ar. Manish Kumar Chitranshi

A. ***Introduction:*** *The formal lecture material and also provide the student with case study, presentations & hands on skills. Participants are encouraged to engage in active interaction through classroom participation*.

Course Outcomes: CO1: Students with an understanding for planning of built or open spaces to provide an appropriate environment for communication, and to create a contextual / experience that supports communication / interpretation of ideas to audiences by creating a multimodal and multisensory experience.

Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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specialists through appropriate oral, written, and representational media.

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior

environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (END EXAM)	EE	70%
Total			**100%**

B. Syllabus

Module I: Design Thinking

Descriptors/Topics

Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.

Module II: Graphic Design

Descriptors/Topics

Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.

Module III: Visual merchandising

Descriptors/Topics

The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.

Module IV: Retail & Branding

Descriptors/Topics

Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.

Examination Scheme:

Components	**Attendance**	**Mid-Term**	**Assignment**	**EE**
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

C. Suggested Text/Reference Books:

Text Reading:

• Retail Marketing and Branding: A Definitive Guide to Maximizing ROI: by Dennis Spillecke and Jesko Perrey
• Visual Merchandising: Windows and In-Store Displays for Retail by Tony Morgan
• Visual Merchandising by Released October 2011 Publisher(s): Laurence King
• Logo Modernism by Jens Müller
• Steal Like an Artist: 10 Things Nobody Told You About Being Creative By Austin Kleon.

References:

• Visual Merchandising
• Steal Like an Artist

Lecture Plan

Lecture	**Topics**	**Mode of Delivery**	**Corresponding CO**	**Mode of Assessing CO**

1.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	*Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.*	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Students will learn design principles and how to apply them to an actual	Lecture	CO1	Mid Term-1, Quiz & End Sem

	exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.			Exam
7.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Students will learn design principles and how to apply them to an actual exhibition space to transform the space into one that reflects and emphasizes the themes developed during Project Development Assignments.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	workflows, indoor climate, and organizational culture into the design.			
12.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

	By incorporating workflows, indoor climate, and organizational culture into the design.			
18.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Graphic design interweaves with architecture, enhancing the experience of the building as a whole. By incorporating workflows, indoor climate, and organizational culture into the design.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	students understand that how can they analyze, identify and modify elements that help in better branding.			
22.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.			
25.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
27.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting,	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.			
28.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

30.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	elements that help in better branding.			
33.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	The students are taught about topics like the layout of retail space, space assignment, product grouping, colors, lighting, elements of a window display, visual communication and presentation methods. Along with learning about the current trends in merchandising, the students understand that how can they analyze, identify and modify elements that help in better branding.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

	and long-term value.			
37.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
38.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
39.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
40.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
41.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
42.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
43.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam
44.	Identify the critical information needed to develop a product and brand strategy that	Lecture	CO1	Quiz & End Sem Exam

	generates both quick-wins and long-term value.			
45.	Identify the critical information needed to develop a product and brand strategy that generates both quick-wins and long-term value.	Lecture	CO1	Quiz & End Sem Exam

D. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Students with an understanding for planning of built or open spaces to provide an appropriate environment for communication, and to create a contextual / experience that supports communication / interpretation of ideas to audiences by creating a multimodal and multisensory experience.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VI) 2021-22		
Class: BID VI Semester		
Subject Name: BID 607 Exhibition Design	Time: 2 Hrs	Max. Marks: 10

Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to
CO1: List the broad perceptive of cloud architecture and model.
CO2: Apply different cloud programming models as per need.

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course____/Course code BIis level 3 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Interior Design Studio –(Thesis project)
Course Code : BID 801, Crédits : 15, Session :2021-22(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The thesis project provides the student with practical knowledge and hands on skills. Participants are encouraged to engage in active interaction through classroom participation.

A. Course Outcomes: At the end of the course, students will be able to:

CO1: Student will be able to find an independent approach to develop an exercise and professional ability to handle professional.

CO2: A thesis project topic will be chosen by the student and approved by the school so that a variety of professional projects are undertaken in each thesis semester every year.

CO3: The course gives an opportunity to develop a student an independent approach to develop an exercise and professional ability to handle professional projects with complete analysis of based data/ information so as to achieve aesthetically planned interior environment for functional efficiency.

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design

solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

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C. Programme Specific Outcomes:

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PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

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PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	VV	70%
Total			**100%**

D. Syllabus

Module I: Introduction

Introduction to the thesis and approval of Topic and subject.

Module II: Drawings

Thesis would include working operational plans, working drawings and design

model.

Module III: Building Materials

Understanding of modern building materials suitable for application to the nature of the project. The project will be evaluated through a continuous Examination basis in a series of seminars as announced from time to time.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	VV
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

E. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

 A Visual Dictionary of Architecture, Francis D.K. Ching

 Creative Interiors (Design of Enclosed Space), Shashi Jain

 Commercial Interior Perspectives, Graphic – Sha (Editor)

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 House Book (The Complete Guide to Home Design), Terence Conran

 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

 A.J. Metric Handbook, editors, Jan Bilwa and Leslie Fair weather

 Architectural Graphic standards editor – Boaz Joseph

 The Curtain Book, Mitchll Beazlty

 Interior Design Visual, Maureen Mitton 2nd Edition

 100 Bright Ideas For color, Sue Rose

 Window Fashion, Charles T. Randall

 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

F. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

5.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

16.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
17.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
18.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
19.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
20.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
21.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
22.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
23.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
24.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
25.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
26.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam

27.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
28.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
29.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
30.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
31.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
32.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
33.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
34.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
35.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
36.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Mid Term-2, Quiz & End Sem Exam
37.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam

38.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
39.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
40.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
41.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
42.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
43.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
44.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
45.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
46.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
47.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
48.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
49.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
50.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam

51.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
52.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
53.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
54.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
55.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
56.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
57.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
58.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
59.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
60.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
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62.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
63.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
64.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
65.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam

66.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
67.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
68.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
69.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
70.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
71.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
72.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
73.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
74.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
75.	Introduction to the thesis and approval of Topic and subject	Lecture	CO1	Quiz & End Sem Exam
76.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
77.	model.	Lecture	CO2	Quiz & End Sem Exam
78.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

79.	model.	Lecture	CO2	Quiz & End Sem Exam
80.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
81.	model.	Lecture	CO2	Quiz & End Sem Exam
82.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
83.	model.	Lecture	CO2	Quiz & End Sem Exam
84.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
85.	model.	Lecture	CO2	Quiz & End Sem Exam
86.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
87.	model.	Lecture	CO2	Quiz & End Sem Exam
88.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
89.	model.	Lecture	CO2	Quiz & End Sem Exam
90.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

91.	model.	Lecture	CO2	Quiz & End Sem Exam
92.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
93.	model.	Lecture	CO2	Quiz & End Sem Exam
94.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
95.	model.	Lecture	CO2	Quiz & End Sem Exam
96.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
97.	model.	Lecture	CO2	Quiz & End Sem Exam
98.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
99.	model.	Lecture	CO2	Quiz & End Sem Exam
100.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
101.	model.	Lecture	CO2	Quiz & End Sem Exam
102.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

103.	model.	Lecture	CO2	Quiz & End Sem Exam
104.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
105.	model.	Lecture	CO2	Quiz & End Sem Exam
106.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
107.	model.	Lecture	CO2	Quiz & End Sem Exam
108.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
109.	model.	Lecture	CO2	Quiz & End Sem Exam
110.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
111.	model.	Lecture	CO2	Quiz & End Sem Exam
112.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
113.	model.	Lecture	CO2	Quiz & End Sem Exam
114.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

115.	model.	Lecture	CO2	Quiz & End Sem Exam
116.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
117.	model.	Lecture	CO2	Quiz & End Sem Exam
118.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
119.	model.	Lecture	CO2	Quiz & End Sem Exam
120.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
121.	model.	Lecture	CO2	Quiz & End Sem Exam
122.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
123.	model.	Lecture	CO2	Quiz & End Sem Exam
124.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
125.	model.	Lecture	CO2	Quiz & End Sem Exam
126.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

127.	model.	Lecture	CO2	Quiz & End Sem Exam
128.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
129.	model.	Lecture	CO2	Quiz & End Sem Exam
130.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
131.	model.	Lecture	CO2	Quiz & End Sem Exam
132.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
133.	model.	Lecture	CO2	Quiz & End Sem Exam
134.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
135.	model.	Lecture	CO2	Quiz & End Sem Exam
136.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
137.	model.	Lecture	CO2	Quiz & End Sem Exam
138.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

139.	model.	Lecture	CO2	Quiz & End Sem Exam
140.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
141.	model.	Lecture	CO2	Quiz & End Sem Exam
142.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
143.	model.	Lecture	CO2	Quiz & End Sem Exam
144.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
145.	model.	Lecture	CO2	Quiz & End Sem Exam
146.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
147.	model.	Lecture	CO2	Quiz & End Sem Exam
148.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam
149.	model.	Lecture	CO2	Quiz & End Sem Exam
150.	Thesis would include working operational plans, working drawings and design	Lecture	CO2	Quiz & End Sem Exam

151.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
152.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
153.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
154.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
155.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
156.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
157.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
158.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
159.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
160.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
161.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
162.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

163.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
164.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
165.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
166.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
167.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
168.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
169.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
170.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
171.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
172.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
173.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
174.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

175.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
176.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
177.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
178.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
179.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
180.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
181.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
182.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
183.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
184.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
185.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
186.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

187.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
188.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
189.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
190.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
191.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
192.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
193.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
194.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
195.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
196.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
197.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
198.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

199.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
200.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
201.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
202.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
203.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
204.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
205.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
206.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
207.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
208.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
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210.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

211.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
212.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
213.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
214.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
215.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
216.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
217.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
218.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
219.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam
220.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
221.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
222.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

223.	Understanding of modern building materials suitable for application to the nature of	Lecture	CO3	Quiz & End Sem Exam
224.	the project. The project will be evaluated through a continuous Examination basis in	Lecture	CO3	Quiz & End Sem Exam
225.	a series of seminars as announced from time to time.	Lecture	CO3	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Student will be able to find an independent approach to develop an exercise and professional ability to handle professional.																	
CO 02	A thesis project topic will be chosen by the student and approved by the school so that a variety of professional projects are undertaken in each thesis semester every year.																	
CO 03	The course gives an opportunity to																	

	develop a student an independent approach to develop an exercise and professional ability to handle professional projects with complete analysis of based data/ information so as to achieve aesthetically planned interior environment for functional efficiency.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2021-22						
Class: BID VIII Semester						
Subject Name: BID 801 Interior Design		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 801 is level 3 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Professional Practice
Course Code : BID 802, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: Lecture based learning along with exercises as tutorials related on the lecture delivery. Preparing a report of study of an interior designer's office.

A. Course Outcomes: At the end of the course, students will be able to:

CO1: Role of an interior designer in society, Scale of charges conduct in the practice.Requirements of interior design competitions and appointment of contractor for interior works.

CO2: To acquaint the students with role of an interior designer in society, scale of charges conducts in the practice.

CO3:Requirements of interior design competitions and appointment of contractor for interior works.

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate

creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester (Viva-Voce)	EE	70%
Total			**100%**

D. Syllabus

Module I: Introduction

Contract and conditions of engagement for interior projects

Module II: Duties

Responsibilities, liabilities and duties of interior designer.

Module III: Contract Document

Terms and conditions for entering into a Contact, Scale of charges and

mode of payment for the professional services to be offered.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

E. Suggested Text/Reference Books:

- A Visual Dictionary of Architecture, Francis D.K. Ching [2] Creative Interiors (Design of Enclosed Space), Shashi Jain [3] Commercial Interior Perspectives, Graphic – Sha (Editor) [4] Design with Wood, Carol Soucek King
- Drywall (Pro Tips for Hanging & Finishing), John D. Wagner
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean [7] Interior design illustrated, Francis D.K. Ching
- Graphic Interiors (Space Designed by Graphic Artists), Corina Dean
- Home Plumbing (The David & Charles Manual of), Ernest Hall
- House Book (The Complete Guide to Home Design), Terence Conran [12] Illustration + Perspectives (In Pantone Colors),Eiji Mitooka
- Elements of Architecture, Meiss Pieree Von
- Architecture: Form, Space and Order, Francis D.K. Ching

References:

 A Visual Dictionary of Architecture, Francis D.K. Ching

 Interior design illustrated, Francis D.K. Ching

 House Book (The Complete Guide to Home Design), Terence Conran

 Masonry (Concrete, Brick, Stone), Christine Beall

 Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler

 Window Fashion, Charles T. Randall

 Illustration + Perspectives (In Pantone Colors), Eiji Mitooka

 Elements of Architecture, Meiss Pieree Von

 Architecture: Form, Space and Order, Francis D.K. Ching

 The Construction of Building Vol- 1 to 5, R. Barry

 Building Construction, N.L. Arora &, B.R. Gupta

 Interior Detail – 1 (Residence), Jeong, Kwang Young

 Interior Spaces Vol – 6 (A Pictorial Review), Image Publishing Group

F. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

9.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Contract and conditions of engagement for interior projects	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

20.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	Responsibilities, liabilities and duties of interior designer	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

31.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	mode of payment for the professional services to be offered	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
38.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
39.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
40.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
41.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
42.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam

43.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam
44.	mode of payment for the professional services to be offered	Lecture	CO3	Quiz & End Sem Exam
45.	Terms and conditions for entering into a Contact, Scale of charges and	Lecture	CO3	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Role of an interior designer in society,Scale of charges conduct in the practice. Requirements of interior design competitions and appointment of contractor for interior works.																	
CO 02	To acquaint the students with role of an interior designer in society, scale of charges conducts in the practice.																	

CO 03	Requirements of interior design competitions and appointment of contractor for interior works.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2021-22						
Class: BID VIII Semester						
Subject Name: BID 802 Professional Practice		Time: 2 Hrs			Max. Marks: 30	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3

CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 802 is level 2 for the academic year 2021-2022.

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Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

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Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Lighting in Interiors
Course Code : BID 803, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light, different type of applications.

CO2: To help the student understand day lighting and technology of artificial lighting

CO3: To equip the student to understand and successfully apply lighting techniques with colour effects.

B. **Programme Outcomes:**

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decisions, based on sustainable, socio-economic, and cultural contexts.

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End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

D. Syllabus

Module – I

INTRODUCTION TO DAY LIGHTING 8 Nature of light – Wavelength, Photometric

quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of

light, day light factor concept, design sky concept, day lighting requirements.

Module – II

ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting.

Module – III

EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system.

Module – IV

LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control system- benefits & application, Impact of lighting, fixture types - free standing or portable, fixed, light fixture control. Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc.

Module – V

CASE STUDY

Study of projects based on different lighting concepts used in interiors and exteriors.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

E. Suggested Text/Reference Books:

1. Benjamin Evans, "Daylight in Architecture", McGraw-Hill Book Company, Newyork,

2. Pritchard, D.C., "Lighting", Longman Scientific & Technical, Harlow. CURRICULUM AND SYLLABUS B. Des (Interior Design) 49

3. Medan Mehta. James Johnson, Jorge Rocafort, “Architectural Acoustics: Principles and Design”, Prentice-Hall, New York,1998.

References:

- The Art of living- Randall whitehead,
- Lighting design, source book- Randall whitehead,
- Light right- M.K.Halpeth, T.Senthil kumar, G.Harikumar
- Concepts of lighting, Lighting design in Architecture- Torquil Barker

F. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

4.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	Wavelength, Photometric	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	quantities – intensity, Flux, illumination and luminance, visual efficiency, sources of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	light, day light factor concept, design sky concept, day lighting requirements.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	mercury, halogen and neon. Different types of lights in interior and exterior - task	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	lighting, special purpose lighting. Calculation of artificial lighting, guidelines for	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	lighting design, Glare in artificial lighting.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

15.	mercury, halogen and neon. Different types of lights in interior and exterior - task	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	lighting, special purpose lighting. Calculation of artificial lighting, guidelines for	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17.	lighting design, Glare in artificial lighting.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	ARTIFICIAL LIGHTING 9 Electric lamps – incandescent, fluorescent, sodium vapour,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19.	EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20.	complementary colour schemes, triadic and tetradic schemes, effects of color in	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	different areas, color temperature, psychological effects of colour in interiors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	system.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	EFFECT OF COLOR IN LIGHTING: Colors, color schemes - Monochromatic, analogous,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	complementary colour schemes, triadic and tetradic schemes, effects of color in	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

26.	different areas, color temperature, psychological effects of colour in interiors,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	system- benefits & application, Impact of lighting, fixture types - free standing or	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	portable, fixed, light fixture control. Lighting accessories-switches, sockets, fused	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	connection units, lamp holders, ceiling roses etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33.	system- benefits & application, Impact of lighting, fixture types - free standing or	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	portable, fixed, light fixture control. Lighting accessories-switches, sockets, fused	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	connection units, lamp holders, ceiling roses etc.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	LUMINARES & FIXTURES: Definition, different luminaries for lighting, lighting control	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam

37.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
38.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
39.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
40.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
41.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
42.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
43.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam
44.	Study of projects based on different lighting concepts used in interiors and exteriors.	Lecture	CO3	Quiz & End Sem Exam
45.	CASE STUDY	Lecture	CO3	Quiz & End Sem Exam

G. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05

CO 01	Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light, different type of applications.																	
CO 02	To help the student understand day lighting and technology of artificial lighting.																	
CO 03	To equip the student to understand and successfully apply lighting techniques with colour effects.																	

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2021-22						
Class: BID VIII Semester						
Subject Name: BID 803 Lighting in Interiors		Time: 2 Hrs			Max. Marks: 30	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID803 is level 2 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Film and Television set design
Course Code : BID 804, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1: The assignments will present varied design challenges, allowing students to explore theatrical space and to practice developing skills that students can keep in their 'tool kit'.

CO2: By the end of the class, students will be able to communicate their stage designs via storyboards, sketches, orthographic drawings, models, and text. Course Notes Class will begin as an online course using zoom for class sessions.

CO3: Learning and teaching with the help of videos during class.To create awareness and provide exposure about the design potential in theatre & cinema set design to architecture students, to inculcate the ability to translate the requirements of the script to physical manifestations according to the traditions followed in the theatre & cinema industry.

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and

Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

D. **Syllabus**

Module – I Film and Society

Examination of the 20th century culture and society through film. Critical analysis of cultural and social conflicts are portrayed and worked out in popular films, and examination of how motion pictures create a window into modern society. Film as cultural text to better understand history and cultural manifestations.

Module – II History and Theater Film Set Design

Investigation the production methods, dramatic theory and conventions, and scene design of various performance media since the popularization of the motion picture, and how it has influenced all entertainment design in the 20th and 21st centuries.

Module – Graphic Design and Typography for Exhibit Design

Principles of layout for creating effective visual signage and explore the unique problems, technique, theory, and approaches of signage in film, theatre, and other forms of mediated exhibition. Introduction to the design applications for building signage.

Module – Set Design and Concept Wrap

Introduction to the basic concepts, through theory and practice, of scene design in theatre, film, and other fine arts and entertainment media. Students will learn how to analyze scripts for proper scenery, how to conceptualize designs that will translate into actual sets, and develop visual thinking within the creative process.

Module – Stage Design

Stage design process from inception to performance, script analysis, visual arts analysis, research skills, and the application of principles and elements of design. Understanding stage setting through language, color, and architectural analysis.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

• Model Making: Materials & Methods by David Neat

• Designer Drafting and Visualization, 2nd Edition by Patricia Woodbridge

• Theatrical Design & Production, 7th ed. by J. Michael Gilette (already purchased for 131/132ab)

• Sculpting Space in the Theater by Babak Ebrahimian

References:

• Baiche Bousmaha & Walliman Nicholas. Neufert Architect's data. Blackwell science ltd.

• Chiara De Joseph & crosbie.J.Michael. 1990. Time saver standards for building types. McGraw Hill company

E. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	cultural and social conflicts are portrayed and worked out in popular films, and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	examination of how motion pictures create a window into modern society. Film as	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	cultural text to better understand history and cultural manifestations.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

5.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
6.	cultural and social conflicts are portrayed and worked out in popular films, and	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	examination of how motion pictures create a window into modern society. Film as	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	cultural text to better understand history and cultural manifestations.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	Examination of the 20th century culture and society through film. Critical analysis of	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	design of various performance media since the popularization of the motion picture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	design of various performance media since the popularization of the motion picture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

16.	Investigation the production methods, dramatic theory and conventions, and scene	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
17.	design of various performance media since the popularization of the motion picture,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	and how it has influenced all entertainment design in the 20th and 21st centuries.	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20.	problems, technique, theory, and approaches of signage in film, theatre, and other	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	forms of mediated exhibition. Introduction to the design applications for building	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	signage.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	problems, technique, theory, and approaches of signage in film, theatre, and other	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	forms of mediated exhibition. Introduction to the design applications for building	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26.	signage.	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

27.	Principles of layout for creating effective visual signage and explore the unique	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
28.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	theatre, film, and other fine arts and entertainment media. Students will learn how	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	to analyze scripts for proper scenery, how to conceptualize designs that will	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	translate into actual sets, and develop visual thinking within the creative process.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33.	theatre, film, and other fine arts and entertainment media. Students will learn how	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	to analyze scripts for proper scenery, how to conceptualize designs that will	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	translate into actual sets, and develop visual thinking within the creative process.	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	Introduction to the basic concepts, through theory and practice, of scene design in	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam

38.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
39.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam
40.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam
41.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
42.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam
43.	Stage design process from inception to performance, script analysis, visual arts	Lecture	CO3	Quiz & End Sem Exam
44.	analysis, research skills, and the application of principles and elements of design.	Lecture	CO3	Quiz & End Sem Exam
45.	Understanding stage setting through language, color, and architectural analysis.	Lecture	CO3	Quiz & End Sem Exam

F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Illustrate the qualities of natural light and identify the roles of lighting system in artificial lighting also prepare lighting layouts, specify light, different type of applications.																	

CO 02	To help the student understand day lighting and technology of artificial lighting.																
CO 03	To equip the student to understand and successfully apply lighting techniques with colour effects.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2021-22						
Class: BID VIII Semester						
Subject Name: BID 804 Film and Television Set Design		Time: 2 Hrs		Max. Marks: 30		
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		
Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.						

CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3

	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 804 is level 1 for the academic year 2021-2022.

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

AMITY UNIVERSITY MADHYA PRADESH, GWALIOR
AMITY SCHOOL OF ARCHITECTURE AND PLANNING
DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Bachelor of Interior Design (BID), Academic Year – 2021-22

Program Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

Program Specific Outcome:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Note: - Correlation levels 1, 2 and 3 as defined below:

1: Slight (Low), 2: Moderate (Medium) and 3 : Substantial (High)

If there is no correlation, put "- "

PROGRAMME ARTICULATION MATRIX

SEM	SUBJECT CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
I	BID101	3	3	3	3	2	1	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID102	2	2	3	2	2	1	-		1	2	2	2	-	1	1	3	-	-	-	-
	BID103	2	2	1	-	3	1	2	3	3	2	1	1	2	2	3	3	1	-	-	-
	BID104	1	1	1	2	-	-	-	2	-	-	-	2	-	-	1	1	-	-	-	-
	BID105	3	2	3	2	1	1	2	3	1	2	-	3	-	1	3	3	-	-	2	-
	BID106	-	1	-	-	-	-	3	2	-	-	-	-	-	1	1	1	-	-	-	-
	BID107	3	2	3	3	1	1	3	-	3	3	-	3	2	3	3	3	3	-	-	-
II	BID201	3	2	3	3	2	2	2	3	3	1	1	3	3	1	3	3	-	-	2	-
	BID202	3	-	3	2	2	2	-	1	1	1	3	3	2	1	1	2	-	-	-	-
	BID203	2	2	1	1	3	2	2	3	3	2	1	2	2	1	3	3	1	-	2	-
	BID204	1	3	1	-	-	-	-	1	1	-	-	2	-	1	1	1	-	-	-	-
	BID205	-	-	3	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	BID206	-	1	-	-	-	-	3	3	3	-	-	-	-	-	1	3	-	-	-	-
	BID207	3	-	1	3	1	1	-	1	3	3	3	3	3	3	3	3	3	-	-	-
III	BID301	3	3	3	3	2	2	2	3	3	1	1	2	3	1	3	3	-	-	2	-
	BID302	2	-	3	2	2	2	-	1	1	1	2	2	2	1	1	1	-	-	-	-
	BID303	2	2	2	2	-	3	2	-	1	-	-	-	2	-	1	1	-	-	-	-
	BID304	3	3	-	-	3	-	-	3	3	-	-	-	-	-	1	1	-	-	-	-
	BID305	-	-	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BID306	-	1	-	-	2	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-
	BID307	1	3	1	-	3	-	-	3	3	-	-	-	-	3	-	-	-	-	2	-
IV	BID401	3	3	3	3	2	2	2	3	3	2	1	2	3	1	3	3	-	-	2	-
	BID402	2	1	3	2	2	2	-	1	-	2	1	2	3	1	1	1	-	-	2	-
	BID403	2	2	2	3	1	2	1	1	-	-	-	-	2	-	3	1	-	-	2	-
	BID404	3	-	2	3	1	2	1	1	-	1	2	2	2	-	1	1	-	-	2	-
	BID405	3	1	1	1	1	1	-	3	3	3	2	2	1	1	3	3	-	-	-	-
	BID406	3	3	3	3	3	2	3	2	3	3	2	3	-	-	1	3	-	-	2	-
	BID407	3	2	3	3	2	2	2	2	3	3	-	-	-	1	1	3	-	-	-	-
V	BID501	3	3	3	3	2	2	2	3	3	3	1	2	3	1	3	1	-	-	2	-
	BID502	2	1	3	2	2	2	-	1	-	1	1	2	3	1	1	1	-	-	-	-
	BID503	2	1	2	3	-	3	-	1	-	-	3	-	2	3	3	1	-	-	2	-
	BID504	2	1	1	3	-	3	-	-	-	-	3	-	2	3	3	1	-	-	2	-
	BID505	1	1	-	-	1	-	3	3	3	-	-	1	-	3	1	1	3	-	-	-
	BID506	3	3	3	3	2	2	3	3	2	3	3	3	3	1	3	3	-	-	2	-
VI	BID601	3	3	3	3	2	2	2	3	3	3	3	1	3	1	3	3	-	-	2	-
	BID602	1	-	3	3	2	2	2	3	3	-	2	1	-	-	3	3	3	-	-	-
	BID603	3	3	2	2	1	1	1	3	3	1	2	2	2	3	3	3	-	-	-	-
	BID604	3	2	3	3	2	2	2	3	3	3	2	3	3	-	3	3	-	-	2	-
	BID605	2	-	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
	BID606	3	2	3	3	1	2	2	3	3	-	3	-	-	-	3	2	-	-	-	-
	BID607	2	3	3	3	1	2	2	3	3	1	-	-	-	3	3	2	-	-	-	-
VII	BID701	3	3	3	3	2	3	-	3	2	1	-	3	3	3	3	-	-	-	2	-
VIII	BID 801	3	3	3	3	2	2	2	3	3	1	3	2	3	3	3	3	-	-	2	-

	BID 802	-	-	-	-	1	1	-	1	-	-	-	-	3	3	2	3	3	3	-	3
	BID 803	1	-	2	1	1	2	-	2	1	-	1	-	2	3	2	1	2	-	-	-
	BID 804	3	1	2	2	2	1	-	2	2	1	-	2	-	-	-	1	-	-	-	-
	BID 805	1	3	1	1	2	1	2	1	2	1	1	-	2	1	2	-	-	-	-	-

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF ARCHITECTURE & PLANNING
Course Handout
Course : Vastushastra in Interior Design (Elective IV)
Course Code : BID 805, Crédits : 03, Session :2021-22(Odd Sem.), Class : BID 4th Year
Faculty Name : Ar. Manish Kumar Chitranshi

Introduction: The course will use a mix of drawings, Presentations & sketching,

Participants are encouraged to engage in active interaction through classroom participation.

A. **Course Outcomes:** At the end of the course, students will be able to:

CO1: Illustrate the use of vastu shastra and develop skills for various vastu features. Students will learn various ways to style the Interiors with respect to vastu shastra and adapt that restricted space to the concepts of Vastu Shastra.

CO2: To focus on the presentational skills of the students to express their vastushastra

understanding.

CO3: To explore various aspects and elements of vastushastra involved in design field, their usage in day to day life and try their hands on different aspects of vastushastra.

B. Programme Outcomes:

PO1. Design Knowledge: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic, and cultural contexts.

PO2. Problem Analysis: Apply theories of human behaviour to human-centered design solutions.

PO3. Design/Development of Solutions: Apply the design process to generate creative solutions to complex problems optimizing the human experience within the interior environment. Apply theory, psychology, and methodology of color to designs of the interior environment.

PO4. Individual and Team Work: Collaborate in multi-disciplinary teams respecting a variety of points of view and perspectives that enrich the process and product of the team.

PO5. Communication: Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written, and representational media.

PO6. Life Long Learning: Exemplify accepted standards of professionalism and business practice including a commitment to engage in lifelong learning.

PO7. Context and Society: Analyze interiors, architecture, the decorative arts, and art within a historical and cultural context to inform contemporary design solutions that relate with the society for whom the design solution is to be provided.

PO8. Synthesis of Concepts: Synthesize theories and concepts of spatial definition and organization into multi-dimensional design solutions.

PO9. Modern Technique usage: Specify furniture, fixtures, and equipment's of finish materials to meet the design criteria for a variety of interior spaces.

PO10. Environment and Sustainability: Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants for overall sustainable development of the individuals.

PO11. Ethics: Comply with laws, codes, and standards that impact fire safety and life safety.

PO12. Project/Construction Management: Produce construction drawings and documents using industry standards for a variety of interior spaces. Employ environment-behaviour research methodologies to address open-ended problems in interior design.

C. Programme Specific Outcomes:

As part of the school's charter and mission, Amity School of Architecture and Planning is providing a vibrant planning environment, ensuring its under-graduates are not only valued by the planning practice, but are also able to:

PSO1. Demonstrate critical thinking as they identify, analyze, and solve interior architecture and design problems through completion of interior design studio projects. Apply creative and critical thinking to solve interior environment problems from a human-cantered approach and apply this knowledge to design solutions.

PSO2. Demonstrate preparation for global design practice by incorporating cultural norms of user populations and applying that knowledge to design solutions that support globally diverse end users.

PSO3. Demonstrate effective visual, verbal, and written communication.

PSO4. Apply ethical and professional practices.

PSO5. Demonstrate social responsibility by designing sustainable interior environments that support indoor environmental quality and improve the quality of life for occupants.

PSO6. Engage in integrative professional design practice by contributing interior architecture and design expertise to collaborative design teams.

Assessment Plan:

Component of Evaluation	**Description**	**Code**	**Weightage %**
Continuous Internal Evaluation	Mid Term	CT	10%
	Seminar/Quiz/ Assignment	S/Q/A	15%
Attendance	A minimum of 75% Attendance is required to be maintained by a studentto be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	A	5%
End Semester Examination	End Semester Examination	EE	70%
Total			**100%**

D. Syllabus

Module – I

INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;

Elements of Vastushastra based on directions and building materials

Module – II

PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,

Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,

Aesthetics of the building

Module – III

IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,

Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction

Module – IV

APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF

SPACES: Placement of various items- household accessories, arrangement of

furniture and furnishing, household equipment and materials; Use of Vastu

compass; Colors, color schemes - Monochromatic, analogous, complementary

colour schemes, vastu remedies for various spaces in residential spaces;

Psychological and Physiological effect of vastu application on home dwellers

Module – V

CASE STUDY

Study of projects based on the use of vastushastra in interior design.

Examination Scheme:

Components	Attendance	Mid-Term	Assignment	EE
Weightage (%)	5	10	15	70

CT: Class Test, A: Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Text Reading:

1. JC Chaudhary, "Fundamentals of Vastu book"

2. Robert E. Svoboda, "Vastu breathing life into space", 10 October, 2020

Reference:

- Vastu Secrets in Modern Times
- Vastu Shastra: A beginners guide for Interior Designers

E. Lecture Plan

Lecture	Topics	Mode of Delivery	Corresponding CO	Mode of Assessing CO
1.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
2.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
3.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
4.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
5.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam

6.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
7.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
8.	Elements of Vastushastra based on directions and building materials	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
9.	INTRODUCTION TO VASTUSHASTRA – Implementation of Vastu techniques;	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
10.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
11.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
12.	Aesthetics of the building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
13.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
14.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
15.	Aesthetics of the building	Lecture	CO1	Mid Term-1, Quiz & End Sem Exam
16.	PRINCIPLES OF VASTUSHASTRA – Vastupurush Mandala; Doctrine of Orientation,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam

17.	Site Planning, Proportionate Measurement, Six Rules of Vedic Architecture,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
18.	Aesthetics of the building	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
19.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
20.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-1, Quiz & End Sem Exam
21.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
22.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
23.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
24.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
25.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
26.	Dimension, Aesthetics: 'Chanda – aesthetics/form', Direction	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
27.	IMPORTANCE OF VASTUSHASTRA: Site Orientation, Site Planning, Proportion,	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam

28.	APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
29.	SPACES: Placement of various items- household accessories, arrangement of	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
30.	furniture and furnishing, household equipment and materials; Use of Vastu	Lecture	CO2	Mid Term-2, Quiz & End Sem Exam
31.	compass; Colors, color schemes - Monochromatic, analogous, complementary	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
32.	colour schemes, vastu remedies for various spaces in residential spaces;	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
33.	Psychological and Physiological effect of vastu application on home dwellers	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
34.	APPLICATION AND IMPLEMENTAION OF VASTU PRINCIPLES IN INTERIOR DESIGN OF	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
35.	SPACES: Placement of various items- household accessories, arrangement of	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
36.	furniture and furnishing, household equipment and materials; Use of Vastu	Lecture	CO3	Mid Term-2, Quiz & End Sem Exam
37.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
38.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam

39.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
40.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
41.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
42.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
43.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
44.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam
45.	Study of projects based on the use of vastushastra in interior design.	Lecture	CO3	Quiz & End Sem Exam

F. Course Articulation Matrix (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAMME OUTCOMES												CORRELATION WITH PROGRAMME SPECIFIC OUTCOMES				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PS04	PS05
CO 01	Illustrate the use of vastu shastra and develop skills for various vastu features Students will learn various ways to style the Interiors with respect to vastu shastra and adapt that restricted space to the concepts of Vastu Shastra																	

CO 02	To focus on the presentational skills of the students to express their vastushastra understanding.																
CO 03	To explore various aspects and elements of vastushastra involved in design field, their usage in day to day life and try their hands on different aspects of vastushastra.																

Sample Question Paper

Amity School of Architecture & Planning I MID-SEMESTER (SEM –VIII) 2021-22						
Class: BID VIII Semester						
Subject Name: BID 805 Vastushastra in Interior Design (Elective IV)		Time: 2 Hrs			Max. Marks: 30	
Levels of the questions as per Blooms Taxonomy	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Question Mapping	Q.1,4	Q.2,3	Q.4	Q.2,5,6		

Student will be able to CO1: List the broad perceptive of cloud architecture and model. CO2: Apply different cloud programming models as per need.			
CO Map	Question No.	Question	Marks
CO1	Q.1	Explain in brief the cloud computing concept.	3
CO1	Q.2a	What are the essential characteristics of cloud computing?	3
	Q.2b	How is cloud computing requirements and cloud servicerequirement services related to each other?	3
CO1	Q.3	Sketch NIST Cloud Computing Reference Architecture and depictits elements	6
CO2	Q.4	Explain the significance of Cloud Reference Model	3
CO2	Q.5a	Elaborate different cloud types with example.	3
	Q.5b	Write characteristics of private cloud.	3
CO2	Q 6	How virtualization is applied in cloud computing scenario?	6

Attainments		**Rubric**
Level	1	IF 60% of students secure more than 60% marks then level 1
Level	2	IF 70% of students secure more than 60% marks then level 2
Level	3	IF 80% of students secure more than 60% marks then level 3

Course outcome: Based on internal and external assessment the level of Course outcome attainment of the course BID/Course code BID 805 is level 1 for the academic year BID 2021-2022.