



# 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

PROGRAM – BACHELOR OF ARCHITECTURE

## Program Education objectives (PEOs)

1. **PEO1: Architectural Excellence and Innovation** Graduates will demonstrate excellence in architectural design, showcasing innovation and creativity that align with global sustainability goals and ethical standards.
2. **PEO2: Sustainable Urban Development** Graduates will be equipped to contribute to sustainable urban development projects, integrating environmental considerations and community needs into their architectural solutions.
3. **PEO3: Interdisciplinary Collaboration** Graduates will excel in collaborative, interdisciplinary work environments, effectively communicating and working with diverse teams to achieve common goals in architectural projects.
4. **PEO4: Technological Proficiency** Graduates will proficiently use modern tools and technologies for architectural design and project management, staying abreast of industry innovations and applying them to real-world scenarios.
5. **PEO5: Lifelong Learning and Leadership** Graduates will commit to lifelong learning, continuously updating their knowledge and skills to lead and adapt to the evolving demands of the architectural profession.

## Programme Outcomes:

[PO.1]. **Planning knowledge:** Apply the knowledge of Design principles in the domain of Architecture, spatial planning, Site context, social infrastructure, physical infrastructure, Circulation, User friendly and Function of the space, to provide solutions to modern day activities and functions.

[PO.2]. **Problem analysis:** Identify, formulate, research literature, mapping and analyse complex design problems reaching substantiated conclusions using principles of Sustainability, Energy efficiency, and latest technologies and Materials.

[PO.3]. **Design/development of solutions:** Planning and design solutions for Architectural problems with appropriate processes that meet the specified needs with appropriate consideration for the public health and safety, and the economical, legal, cultural, societal, and environmental considerations.

[PO.4]. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including Site Study, Literature Case Studies, Live Case studies, analysis and interpretation of data, and synthesis of the information to provide valid conclusions, inferences, recommendations, and Design solutions.

[PO.5]. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern planning and IT tools including AutoCAD, 2d & 3d presentations, Photoshop and 3d modeling & Rendering tools like 3Ds MAX, to complex urban and regional scenarios with an understanding of the limitations.

[PO.6]. **The Architects and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues, and the consequent responsibilities relevant to the professional practice.

[PO.7]. **Environment and Sustainability:** Understand the impact of the Architectural planning and development solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Prof.(Dr.) Kuldip Dwivedi  
Dy. Dean & i/c Dean (Academics)  
Amity University Madhya Pradesh



**[PO.8]. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Development Authorities, Bye Laws etc.**

**[PO.9]. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.**

**[PO.10]. Communication: Communicate effectively on complex designing & planning activities with the Structural consultants, Civil engineers, MEP Consultants, Material suppliers, Contractors, engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.**

**[PO.11]. Project management and finance: Demonstrate knowledge and understanding of the Architectural and Design principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.**

**[PO.12]. Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of latest Architectural design scenarios.**

### **Programme Specific Outcomes:**

**PSO1: Will be able to plan, design, develop and implement efficient Architectural Design solutions for a given real life problem.**

**PSO 2: Will be able to apply knowledge of Designing tools and software for drafting, presentation, BIM extracting useful information from it and for performing design solutions and to make construction possible on site.**

**PSO 3: Will be able to Design and Execute any construction project. Plan, design, and drawings and publishing research reports in distinguished journals.**

## **COURSE OUTCOME - BACHELOR OF ARCHITECTURE (2017)**

### **FIRST SEMESTER**

<b>Course Code</b>	<b>Course Title</b>	<b>Course Outcome</b>
BAR 101	Architectural Design – I	<ul style="list-style-type: none"> <li>● Orientation of students to the profession of Architecture</li> <li>● Introduction to the fundamentals of basic design and understanding of forms and spaces in architecture</li> </ul>
BAR 102	Building Materials & Construction Technology – I	<ul style="list-style-type: none"> <li>● To familiarize the students with various properties, effects of climate and environmental conditions on, and uses of building materials.</li> <li>● To understand the use of traditional building materials in simple building works.</li> <li>● To help students understand the basic building elements, their function and behavior under various conditions with specific reference to “Load Bearing Construction”</li> </ul>
BAR 103	Structural Design & Systems – I	<ul style="list-style-type: none"> <li>● To introduce the structural system in a building with all the basic components to understand the functions of various elements and building technologies used in various types of buildings</li> </ul>
BAR 104	Architectural Graphics Skills - Manual – I	<ul style="list-style-type: none"> <li>● To introduce the structural system in a building with all the basic components to understand the the functions of various elements and building technologies used in various types of buildings</li> </ul>
BAR 105	Basic Design & Visual Arts - I	<ul style="list-style-type: none"> <li>● Introduction to Art and appreciation of art and its philosophies</li> <li>● Familiarize with principles and theories of arts and architectural composition</li> <li>● Development of art and graphic skills</li> </ul>
BAR 106	History of Architecture, Art & Culture – I	<ul style="list-style-type: none"> <li>● Introduction to Architectural elements, forms, development trends, characteristics of construction techniques and technologies, buildings, civilization transformation over the time period</li> <li>● Familiarize with the socio-economic, historical, political influences of time period in Architectural development. Identify the buildings and the major works of the period.</li> </ul>
BAR 107	Visual Art & Appreciation	<ul style="list-style-type: none"> <li>● The course will enable the students to develop an understanding of the elements of art, a basic vocabulary for describing visual art, a general understanding of the role art has played throughout Western history, and contemporary trends.</li> </ul>
BAR 120	Architectural Workshop – Model Making	<ul style="list-style-type: none"> <li>● To develop the skills in making models out of different materials</li> <li>● Understanding the scale and proportion of objects</li> </ul>
BAR 108	Environment Studies – I	<ul style="list-style-type: none"> <li>● The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the</li> </ul>

		life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.
BAR 140	English Language	<ul style="list-style-type: none"> <li>The course is intended to give a foundation of English Language. The literary texts are intended to help students to inculcate creative &amp; aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond from different perspectives</li> </ul>
BAR 143	Behavioural Science – I	<ul style="list-style-type: none"> <li>Understanding self &amp; process of self exploration</li> <li>Learning strategies for development of a healthy self esteem</li> <li>Importance of attitudes and its effective on personality</li> <li>Building Emotional Competency</li> </ul>
BAR 144 BAR 145 BAR 146 BAR 147 BAR 148	Foreign Language - I French German Spanish Japanese Chinese	To familiarize the students with the French language <ul style="list-style-type: none"> <li>with the phonetic system</li> <li>with the syntax</li> <li>with the manners</li> <li>with the cultural aspects</li> </ul>
	<b>TOTAL</b>	

**Note: #The students will study English from I semester but final evaluation will be done at the end of IInd semester. However continuous evaluation will start from the Ist Semester.**

### **SECOND SEMESTER**

<b>Course Code</b>	<b>Course Title</b>	<b>Course Outcome</b>
BAR 201	Architectural Design – II	<ul style="list-style-type: none"> <li>To enhance the students' understanding regarding inter- relation of various simple functions and circulation and movement of vehicles with clear concepts of connectivity.</li> <li>Introduction to the commercial activity spaces with multiple functions, forms and movement.</li> </ul>
BAR 202	Building Materials & Construction Technology – II	<ul style="list-style-type: none"> <li>To acquaint the students to building materials such as Timber, Reinforced Concrete and Reinforced Brick work, Steel and the effects of climate and environmental conditions on these.</li> <li>To familiarize the students with construction techniques for use of the above materials in building works.</li> </ul>
BAR 203	Structural Design and Systems – II	<ul style="list-style-type: none"> <li>To understand the basic principles of structural system so that it forms the basis for study of structural design.</li> <li>To help students to understand the basic principles of structural behavior and requirements of buildings with emphasis laid on the principles of various load distribution in beams and columns.</li> </ul>
BAR 204	Architectural Graphics Skills - Manual – II	<ul style="list-style-type: none"> <li>Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time</li> </ul>

		<ul style="list-style-type: none"> <li>● Study of the building types and development of architectural form with examples that identify the works of the period</li> </ul>
BAR 205	Basic Design and Visual Arts – II	<ul style="list-style-type: none"> <li>● Introduction to Art and appreciation of art and its philosophies</li> <li>● Familiarize with principles and theories of arts and architectural composition</li> <li>● Development of art and graphic skills.</li> </ul>
BAR 206	History of Architecture, Art & Culture – II	<ul style="list-style-type: none"> <li>● Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time.</li> <li>● Study of the building types and development of architectural form with examples that identify the works of the period</li> </ul>
BAR 207	Computer Application	<ul style="list-style-type: none"> <li>● To introduce various software to the students helping them in compilation of then text reports etc.</li> <li>● To enable the students to understand the role of various data storing devices such as scanners Digitizers etc. and their applications</li> </ul>
BAR 220	Architectural workshop – II (Photography & Furniture Design)	<ul style="list-style-type: none"> <li>● To provide knowledge about analysis of existing piece of furniture in its functional &amp; technical aspects. Materials used for furniture design and their properties. Design of simple furniture based on ergonomic, anthropometric, aesthetic and economical considerations.</li> </ul>
BAR 208	Environment Studies – II	<ul style="list-style-type: none"> <li>● The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.</li> </ul>
BAR 241	Communication Skills	<ul style="list-style-type: none"> <li>● The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative &amp; aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.</li> </ul>
BAR 243	Behavioural Science – II	<p>To enable the students:</p> <ul style="list-style-type: none"> <li>● Understand the process of problem solving and creative thinking.</li> <li>● Facilitation and enhancement of skills required for decision-making.</li> </ul>
BAR 244 BAR 245 BAR 246 BAR 247 BAR 248	Foreign Language - II French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>● To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French.</li> <li>● To make them learn the basic rules of French Grammar</li> </ul>
	<b>TOTAL</b>	

## SUMMER PROJECT – I

### THIRD SEMESTER

Course Code	Course Title	Course Outcome
BAR 301	Architectural Design – III	<ul style="list-style-type: none"> <li>● To work on multi utility, multiple user based, multi level public/ semi public building of specific scale covering an area of 1500-2000 sqm on site.</li> <li>● Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development</li> </ul>
BAR 302	Building Materials & Construction Technology – III	<ul style="list-style-type: none"> <li>● To acquaint students with currently used wood alternatives for interior works and their applicability. Used construction details for conventional staircases and steel windows.</li> <li>● To familiarize the students with construction techniques for use of the above materials in building works and effects of climate and environmental conditions on these</li> </ul>
BAR 303	Structural Design and Systems – III	<ul style="list-style-type: none"> <li>● To understand an informal choice regarding the most appropriate structural system for the building design due to different types of loading.</li> <li>● Provide a basic understanding about the structural modeling and research techniques in the field of Architecture.</li> </ul>
BAR 304	Architectural Graphics Skills - Manual – III	<ul style="list-style-type: none"> <li>● To familiarize the students with theoretical, practical and pictorial aspects of architectural drawing.</li> <li>● To introduce the graphic treatment of two and three-dimensional drawing. Perception development and presentation of simple architectural forms of buildings</li> </ul>
BAR 305	Basic Design & Visual Arts - III	<ul style="list-style-type: none"> <li>● Introduction to Art and appreciation of art and its philosophies</li> <li>● Development of sensitivity towards sculpture and mural as an integral part of architecture.</li> </ul>
BAR 306	History of Architecture, Art and Culture - III	<ul style="list-style-type: none"> <li>● Understanding the world architecture during the Greek, Roman and Romanesque Period, Study of specific Architectural characteristics and their origin in above mentioned period</li> </ul>
BAR 307	Architecture Climatology	<ul style="list-style-type: none"> <li>● To acquaint students to various concepts of climate analysis and its use in Architecture.</li> <li>● To familiarize students with human thermal comfort as an essential function of building</li> </ul>
BAR 360	Measure Drawing Tour	<ul style="list-style-type: none"> <li>● To expose the students to the buildings of historical importance and to document it through physical measurements and transforming these measurements into Architectural drawings</li> </ul>
BAR 341	Effective Written Communication	<ul style="list-style-type: none"> <li>● To form written communication strategies necessary in the workplace</li> </ul>
BAR 343	Behavioural Science – III	<ul style="list-style-type: none"> <li>● Enhancing personal effectiveness and performance through effective interpersonal communication</li> <li>● Enhancing their conflict management and negotiation skills</li> </ul>

BAR 344 BAR 345 BAR 346 BAR 347 BAR 348	Foreign Language - III French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>● To master the current social communication skills in oral and in written.</li> <li>● To enrich the formulations, the linguistic tools and vary the sentence construction without repetition</li> </ul>
BAR 360	Summer Project – I (Evaluation)	<ul style="list-style-type: none"> <li>● Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation.</li> <li>● Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are publishable, the project should be communicated in the form of a research report written by the student.</li> </ul>

#### FOURTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 401	Architectural Design – IV	<ul style="list-style-type: none"> <li>● To work on context based design problem also considering cost effective building technology and earthquake resistant structure.</li> <li>● Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development</li> </ul>
BAR 402	Building Materials & Construction Technology – IV	<ul style="list-style-type: none"> <li>● To understand and detail staircases in alternative materials</li> <li>● To acquaint students to flooring and false ceiling materials and their detailing.</li> <li>● To apply previously gained detailing knowledge and design skills for gates and railing designs.</li> </ul>
BAR 403	Structural Design & Systems – IV	<ul style="list-style-type: none"> <li>● To understand rational basis of the design of reinforced concrete members and structures through advanced materials and structural behavior.</li> <li>● Enable students to undertake problems, identify, formulate and solve the critical thought, rational inquiry and self- directed learning.</li> </ul>
BAR 404	Architectural Graphics Skills – IV (Computer Aided)	<ul style="list-style-type: none"> <li>● To introduce principles of computer operations pertaining to architectural drawings i.e 2D drafting and explore image editing through a visual composition i.e 3D modeling.</li> </ul>
BAR 405	Building Services – I ( Water supply and Sanitation)	<ul style="list-style-type: none"> <li>● To acquaint students to basic principles of water supply, sanitation and plumbing bye laws.</li> <li>● To assist them in design of plumbing systems at building level for different building typologies</li> </ul>
BAR 406	History of Architecture, Art and Culture - IV	<ul style="list-style-type: none"> <li>● Understanding the world architecture during the Gothic, Renaissance and Baroque Period; Study of specific Architectural characteristics and their origin in above-mentioned period.</li> </ul>
BAR 407	Surveying and Leveling	<ul style="list-style-type: none"> <li>● Course is aimed to impart basic surveying principles and skills commonly needed in the planning of projects.</li> </ul>

		<ul style="list-style-type: none"> <li>● Demonstrate the role and application of modern surveying techniques and technologies</li> </ul>
BAR 408	Building Bye - Laws & Code of Practices	<ul style="list-style-type: none"> <li>● To study the development controls as applicable to building design.</li> <li>● To acquaint the students to compulsory building bye-laws and permits.</li> </ul>
BAR 441	Professional Communication	<ul style="list-style-type: none"> <li>● To teach the participants strategies for improving academic reading and writing.</li> <li>● Emphasis is placed on increasing fluency, deepening vocabulary, and refining academic language proficiency</li> </ul>
BAR 443	Behavioural Science – IV	<ul style="list-style-type: none"> <li>● To understand the basis of interpersonal relationship</li> <li>● To understand various communication style</li> <li>● To learn the strategies for effective interpersonal relationship</li> </ul>
BAR 444 BAR 445 BAR 446 BAR 447 BAR 448	Foreign Language - IV French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>● To develop strategies of comprehension of texts of different origin</li> <li>● To present facts, projects, plans with precision</li> </ul>



## FIFTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 501	Architectural Design –V	<ul style="list-style-type: none"> <li>● To work on context based design problem considering Energy Efficient buildings.</li> <li>● Understanding the theoretical and practical aspects of building design as per the different energy efficient details and technology.</li> </ul>
BAR 502	Building Materials & Construction Technology – V	<ul style="list-style-type: none"> <li>● Course aims to provide knowledge about Ferrous and non ferrous metals, Manufacturing, properties, quality and its use as a building construction material. Construction in Steel and how various structural elements of a building like foundation, staircase etc. are detailed out and constructed.</li> </ul>
BAR 503	Structural Design & Systems – V	<ul style="list-style-type: none"> <li>● To understand the analysis of in-determinant structures and their use in field in greater depth.</li> </ul>
BAR 504	Architectural Graphics Skills – V – (Computer Aided)	<ul style="list-style-type: none"> <li>● To introduce various software to the students helping them in compilation of then text reports etc.</li> <li>● To train students in drafting and presentation techniques using computers.</li> </ul>
BAR 505	Building Services – II (Electrical, HVAC)	<ul style="list-style-type: none"> <li>● Integration of electrical system with building design &amp; application of indoor and outdoor lighting in appropriate way in building planning and designing.</li> <li>● To expose the students to the areas of air-conditioning, heating and ventilation</li> </ul>
BAR 506	Working Drawing Studio	<ul style="list-style-type: none"> <li>● Learn to make and understand Architectural Construction and execution drawings along with the their detailing.</li> </ul>
BAR 507	Interior & landscape Design Studio	<ul style="list-style-type: none"> <li>● Understanding the theoretical and practical aspects of designing the interiors of a building. To acquaint the student with the various natural elements used to design transitional and outside spaces and establish a linkage between nature and the built environment.</li> </ul>
BAR 541	Receptive and Expressive Communication Skills	<ul style="list-style-type: none"> <li>● To equip the participant with linguistic skills required in the field of science and technology while guiding them to excel in their academic field.</li> </ul>
BAR 543	Behavioural Science – V	<ul style="list-style-type: none"> <li>● To inculcate in the students an elementary level of understanding of group/team functions</li> <li>● To develop team spirit and to know the importance of working in teams</li> </ul>
BAR 544 BAR 545 BAR 546 BAR 547 BAR 548	Foreign Language – V French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>● To furnish some basic knowledge of French culture and civilization understanding an authentic document and information relating to political and administrative life</li> </ul>
BAR 560	Study Tour	<ul style="list-style-type: none"> <li>● To provide exposure to the students to the real Architectural world and to make them aware of the construction techniques of the real time of different places of Architectural importance</li> </ul>

## SIXTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 601	Architectural Design – VI	<ul style="list-style-type: none"> <li>Understanding design as a function of specific agenda such as site condition, orientation, climate, circulation and essential services with design</li> </ul>
BAR 602	Building Materials & Construction Technology – VI	<ul style="list-style-type: none"> <li>Introduction to advanced structural systems in buildings.</li> <li>Learning construction details of various building parts at advanced level.</li> </ul>
BAR 603	Structural Design & Systems – VI	<ul style="list-style-type: none"> <li>To understand the analysis of intermediate structures and their use in field in greater depth.</li> </ul>
BAR 604	Architectural Graphics Skills – VI – (Computer Aided)	<ul style="list-style-type: none"> <li>To introduce various software to the students helping them in compilation of then text reports etc.</li> <li>To train students in drafting and presentation techniques using computers.</li> </ul>
BAR 605	Building Services – III (Electrical, HVAC)	<ul style="list-style-type: none"> <li>Understanding the architectural development in different periods over centuries in history.</li> <li>Understanding the Need, demand and supply in different periods by various great designers.</li> </ul>
BAR 606	Estimation, Costing and Specification	<ul style="list-style-type: none"> <li>To familiarize the students with the theory and practice of estimation and quantity surveying.</li> <li>To develop the understanding of specification writing</li> </ul>
BAR 607	Construction and Site Management	<ul style="list-style-type: none"> <li>Introduction of networking techniques and construction planning practices.</li> <li>Use of construction equipment and method along with quality control</li> </ul>
BAR 608	Barrier Free Architecture	<ul style="list-style-type: none"> <li>The subject looks at barrier free design principles and concepts of universal design</li> <li>Barrier free design principles in urban design</li> <li>Provides an idea about barrier free construction principles in buildings.</li> </ul>
BAR 609	Building Economics	<ul style="list-style-type: none"> <li>To develop an understanding among the students regarding management of physical and human resources including evaluation techniques pertaining to a business organization in general and specific to construction industry</li> </ul>
BAR 641	Social Communication	<ul style="list-style-type: none"> <li>To enhance the skills needed to work in an English-speaking global business environment.</li> </ul>
BAR 643	Behavioural Science – VI	<ul style="list-style-type: none"> <li>To develop an understanding the concept of stress its causes, symptoms and consequences.</li> <li>To develop an understanding the consequences of the stress on one's wellness, health, and work performance.</li> </ul>
BAR 644 BAR 645 BAR 646 BAR 647 BAR 648	Foreign Language - VI French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>To strengthen the language of the students both in oral and writte so that they can:</li> <li>express their sentiments, emotions and opinions, reacting to information, situations;</li> <li>narrate incidents, events ;</li> <li>iii) perform certain simple communicative tasks.</li> </ul>

## SEVENTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 701	Architectural Design – VII (Housing)	<ul style="list-style-type: none"> <li>To acquaint the students with large scale housing design along with other land use development in an urban context, phasing and development.</li> <li>To expose the students to advance building services and systems and to urban development regulations, building bye-laws and architectural controls.</li> </ul>
BAR 702	Advance Construction Technology – VII	<ul style="list-style-type: none"> <li>Course aims to provide knowledge about latest technologies adopted for high rise and on reclaimed lands. Most modern techniques for fast pace construction and for large span structures.</li> </ul>
BAR 703	Professional Practice & Management	<ul style="list-style-type: none"> <li>To acquaint the students with the responsibility, scale of charges and Architect's conduct in Architectural practice.</li> <li>To understand the office and administration of an Architect's office, Tenders and contracts.</li> </ul>
BAR 704	Green Buildings	<ul style="list-style-type: none"> <li>To familiarize students with principles, techniques and guidelines for planning and design of energy conserving architecture.</li> </ul>
BAR 720	Professional Practice – I	<ul style="list-style-type: none"> <li>To acquaint the students with the responsibility, scale of charges and Architect's conduct in Architectural practice.</li> <li>To understand the office and administration of an Architect's office, Tenders and contracts</li> </ul>
BAR 705	Disaster resistant Structures	<ul style="list-style-type: none"> <li>Introduce students to the research based project and its analysis</li> <li>Treated as preamble as the base for thesis project done on individual basis so the students could learn to work on research project</li> </ul>
BAR 706 BAR 707 BAR 708	<b>Elective – I (Select any One)</b> <ul style="list-style-type: none"> <li>Town Planning</li> <li>Housing &amp; Community Design</li> <li>Architectural Conservation</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to elementary science of town planning principles.</li> <li>Introduction to evaluation and development of town planning through history</li> <li>To familiarize the students with various aspects, issues and considerations related to housing design and community planning.</li> <li>To familiarize the students with various aspects of architectural conservation.</li> <li>To understand the role of a conservationist architect.</li> </ul>
BAR 709 BAR 710 BAR 711	<b>Elective – II (Select any One)</b> <ul style="list-style-type: none"> <li>Energy Conservation Architecture</li> <li>Urban Design</li> <li>Disaster Resistant Architecture</li> </ul>	<ul style="list-style-type: none"> <li>To familiarize students with principles, techniques and guidelines for planning and design of energy conserving architecture</li> <li>Study of solar energy systems and other alternative sources of energy being used in architectural applications.</li> <li>Introduction of basic elements, principles and techniques of urban design.</li> <li>To design the urban space in context to the surroundings and environment.</li> <li>To expose the students to the various theoretical and practical aspects of disaster resistant structures.</li> </ul>
BAR 741	Workplace Communication	<ul style="list-style-type: none"> <li>To facilitate the learner with Academic Language Proficiency and make them effective users of functional language to excel in their profession.</li> </ul>
BAR 743	Behavioural Science	<ul style="list-style-type: none"> <li>Understand the importance of individual differences</li> </ul>

	– VII	<ul style="list-style-type: none"> <li>● Better understanding of self in relation to society and nation</li> <li>● Facilitation for a meaningful existence and adjustment in society</li> <li>● Inculcating patriotism and national pride</li> </ul>
BAR 744 BAR 745 BAR 746 BAR 747 BAR 748	Foreign Language - VII French German Spanish Japanese Chinese	<ul style="list-style-type: none"> <li>● Revise the portion covered in the first volume, give proper orientation in communication and culture.</li> </ul>
BAR 760	Study Tour	<ul style="list-style-type: none"> <li>● To provide exposure to the students to the real Architectural world and to make them aware of the construction techniques of the real time of different places of Architectural importance</li> </ul>

### EIGHTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 050	Practical Training	<ul style="list-style-type: none"> <li>● To expose the students to the practical environment and works by working under an Architect.</li> <li>● To gain a practical knowledge and involved in all aspects of office works.</li> </ul>

### NINTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 901	Architectural Design - VIII (Urban Design)	<ul style="list-style-type: none"> <li>● Students will interpret and assess urban envelopes and spaces in context of city design. Further, students will relate human activities with built fabric</li> </ul>
BAR 902	Dissertation	<ul style="list-style-type: none"> <li>● Student will learn the methodology to undergo a deep research in the field of architecture</li> </ul>
BAR 903	Practical Training Presentation	<ul style="list-style-type: none"> <li>● 140 days of professional practice which he/she will be submitting in the form of report. Report shall be detailed work done on weekly . critical appraisal of built projects, field documentation of Architectural details and site supervision of built projects.</li> </ul>
BAR 904	Town Planning	<ul style="list-style-type: none"> <li>● Introduction to elementary science of town planning principles.</li> <li>● Introduction to evaluation and development of town planning through history</li> </ul>
BAR 905	Low cost Architecture	<ul style="list-style-type: none"> <li>● Students will learn the methods and techniques of cost effective Architecture</li> </ul>

## TENTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 1001	Architectural Thesis	<ul style="list-style-type: none"><li>• The students will produce the complete design solution for a projects comprising of all the required drawings, service details and structural techniques with a support of 3-D or static model</li></ul>
BAR 1002	Advance Study	<ul style="list-style-type: none"><li>• Student will learn the methodology to undergo a deep research in the field of architecture.</li></ul>
BAR 1003	Architecture Conservation	<ul style="list-style-type: none"><li>• Students will interpret the knowledge of architectural conservation specifically catering to the regional heritage &amp; awareness of holistic nature of restoration and conservation practices.</li></ul>
BAR 1004	Alternative source of energy and built environment	<ul style="list-style-type: none"><li>• To familiarize with the technologies using renewable sources of energy in developing and harnessing energy for built environment.</li></ul>



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

**B.ID. (Bachelor of Interior Design)**

**Program Education objectives (PEOs)**

These are overarching statements outlining the career and professional achievements that the program aims to equip graduates with.

**PEO-1:** Graduates will possess the ability to conduct research and analysis of client goals and requirements, leading to the development of documents, drawings, and diagrams that articulate those needs in space design.

**PEO-2:** The program seeks to cultivate design professionals capable of making valuable contributions to dynamic interior environments, ensuring functionality, aesthetics, sustainability, and safety for occupants.

**PEO-3:** Students will be prepared to achieve excellence in innovation and leadership, demonstrating adaptability across diverse design career paths. Emphasis will be placed on fostering professional ethics and active participation essential for a successful career.

**PEO-4:** Graduates will demonstrate proficiency in teamwork, effective communication, and critical thinking skills.

**PEO-5:** Students will evolve into effective professionals capable of solving real-world problems through the application of their knowledge in Interior Design.

**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-centered 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.

## Course Outcome:

### FIRST SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID101	Interior Design Studio-I	Students will learn about the visual composition in an interior space with color schemes, textures, light, shadow etc. Introduction to human dimensions, functions, space – activities, space standards, relationships of a simple single living unit to understand the minimum space requirement by individual to perform various activities.
2.	BID102	Materials (Furnishing & Finishes)	Students will understand of all the available materials, which are used in designing the various different interior spaces.
3.	BID103	Basic Design & Visual Arts-I	Students will be introduced to art and its appreciation and philosophy. Familiarizing with the principles and theories of graphic composition used in interior design. students will learn designing of interiors spaces with graphic tools i.e. sketching, shading, coloring etc.
4.	BID104	Drawing Techniques – I	Students will get familiarized with the drawing tools and accessories used in drafting and lettering techniques to produce any geometrical composition and form.
5.	BID105	Architecture & Interior Design	Students will apprise about the role and complexity in interior design within the larger context of the built environments with special reference to their interiors.
6.	BID106	History of Interior Design – I	The students should be able to: The developmental aspects of Interior designing over the time period in different periods of history.
7.	BID107	Model Making Workshop	Students will get hands on tools and techniques used for making models out of paper, boards, wood, bamboo, thermo coal, fabrics, clothes, glass, plastic sheets, wire, P.O.P., Clay etc.
8.	EVS142	Environmental Studies - I	Upon course completion, students will be able to understand: The multidisciplinary nature of environmental studies, Our natural resources, the ecosystem its structure and function, ecological succession, Biodiversity and its conservation and Biological classification of India.
9.	BCU141	Communication Skills - I	The students should be able to : <ul style="list-style-type: none"> <li>• Identify common errors and rectify them</li> <li>• Develop and Expand Writing Skills Through Controlled and Guided Activities</li> <li>• To Develop Coherence, Cohesion and Competence in Oral</li> <li>• Discourse through Intelligible Pronunciation</li> </ul>
10	BSU143	Behavioral Science-I	Student will Develop accurate sense of self <ul style="list-style-type: none"> <li>• Student will nurture a deep understanding of personal motivation</li> <li>• Student will develop thorough understanding of personal and professional responsibility. Student will able to analyse the emotions of others for better adjustment.</li> </ul>
11	FLU144	French	To understand basic French. Able to read, write basic French. To express basic day to day activities in French.
12	Minor Track	CBCS / MOOC	A student may select courses from domain electives, open electives, available in the model framework for programme structure of the programme of study. Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.

**Note: The students will study English from 1<sup>st</sup> semester but final evaluation will be done at the end of IInd semester. However continuous evaluation will start from the 1<sup>st</sup> Semester.**



## SECOND SEMESTER

S.No	Course Code	Course Title	Course Outcome
1.	BID201	INTERIOR DESIGN STUDIO-II	The students should be able to: The design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials, and technologies. The visual design in an interior space with color schemes, textures, light, shadow etc.
2.	BID202	MATERIALS & CONSTRUCTION TECHNIQUES-I	The students should be able to learn: construction properties and cases of traditional building materials used in construction.
3.	BID203	BASIC DESIGN AND VISUAL ART-II	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.
4.	BID204	DRAWING TECHNIQUE S-II	The students should be able to: 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.
5.	BID205	COMPUTER APPLICATIONS-I	Students should be able to make drawings by using various computer hardware and software used in interior designing.
6.	BID206	HISTORY OF INTERIOR DESIGN -II	Familiarize with the different culture, society, and their style of living, which affects the internal part of their buildings over different periods.
7.	BID207	WORKSHOP-I (SERIGRAPHY AND COLOR)	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.
8.	EVS242	ENVIRONMENTAL STUDIES-II	understand various types of environmental pollution. educate masses, in general and students, about the issues related to degradation of environment and social issues related to environment.
9.	BCU241	COMMUNICATION SKILLS-II	The student will be able to write an impressive resume and face the interview confidently.
10	BSU243	BEHAVIOURAL SCIENCE-II	Student will be able to identify, understand, and apply contemporary theories of leadership to a wide range of situations and interactions Student will be able to understand and respect individual difference, so to enhance the relationship Learn social responsibility and develop a sense of citizenship Student will be able to identify and understand the impact of culture. on one's leadership style
11	FLU244	FRENCH	To understand and read official mail in French. To understand and present biography of Scientist in French Able to write, read and understand simple scientific article in French
12	Minor Track	CBCS / MOOC	A student may select courses from domain electives, Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.

### THIRD SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID301	Interior Design Studio -III	The design elements and principles to be followed while designing an institutional building using different standards, materials, and technologies.
2.	BID302	Materials & Construction Techniques - II	Familiarize the students with different building materials and construction techniques.
3.	BID303	Building interior Services – I (Plumbing & Sanitation)	Students will learn the Water Supply, Sanitation, and waste water disposal system in a building as part of the building services.
4.	BID304	Photography	Development of fundamental and technical capabilities necessary for photography.
5.	BID305	Computer Applications – II	Learning software i.e., Auto Cad, Coral Draw and Adobe and Photoshop.
6.	BID306	History of Interior Design – III	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.
7.	BID307	Psychology of Environment	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.
8.	BCU341	Communication Skills - III	The students should be able to write correctly and properly with special reference to Letter writing
9.	BSU343	Behavioral Science-III	Student will be able to understand and solve the problems effectively in their personal and professional life. Students will outline multiple divergent solutions to a problem, Student will able to create and explore risky or controversial ideas, and synthesize ideas/expertise to generate innovations
10	FLU344	French	les adjectifs démonstratifs les verbes : ‘ir groupe’ devoir, falloir les prépositions de lieu, de pays l’impératif, le passé composé, forme et accord du participe passé, la négation au passé composé les indicateurs de temps (il y a, depuis)
11	Minor Track	CBCS / MOOC	A student may select courses from domain electives, Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.

#### FOURTH SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID401	INTERIOR DESIGN STUDIO - IV	The different types of exhibition and presentation spaces and the interior design requirements related to them.
2.	BID402	MATERIALS & CONSTRUCTION TECHNIQUES - III	Familiarize the students with advanced and speedy building techniques. The understanding for the system to be adopted for the construction of large span structures.
3.	BID403	BUILDING INTERIOR SERVICES – II (ELECTRICAL, FIRE FIGHTING & SECURITY)	The students should be able to: Apply practice of electrical systems and fixtures. Distribution of main supply, fittings and accessories.
4.	BID404	INTERIOR ESTIMATION, SPECIFICATION & COSTING	Student should be able to working out quantities schedule of rates and Bill of Quantities.
5.	BID405	WORKSHOP – III (Ceramics in Interior)	They are familiar with technology that is used to design ceramics metal and wall art work in construction market to design high-end products.
6.		ELECTIVE - I (ANYONE)	
	BID406	PRODUCT DESIGN	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
	BID407	INTERIOR LANDSCAPE DESIGN	The knowledge of landscaping design parameters, landscape elements, plant materials etc. Use in the interiors effectively for aesthetic enhancement and visual comfort.
7.	BCU441	COMMUNICATION SKILLS - IV	<ul style="list-style-type: none"> <li>• Develop a resume for oneself</li> <li>• Ability to handle the interview process on confidently</li> <li>• Learn the subtle nuances of an effective group discussion</li> </ul>
8.	BSU443	BEHAVIOURAL SCIENCE- IV	<ul style="list-style-type: none"> <li>• Able to answer the question: What do I stand for?</li> <li>• Ability to apply a coherent set of moral principles within professional and specialized contexts</li> <li>• Willing to make unpopular but right decision</li> <li>• Committed to working for justice and peace locally and global</li> </ul>
9.	FLU444	FRENCH	<ul style="list-style-type: none"> <li>• imparfait,</li> <li>• la comparaison du verbe/du nom ; mieux/meilleur</li> <li>• les pronoms relatifs</li> </ul>

10.	Minor Track	CBCS / MOOC	A student may select courses from domain electives, Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.
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**FIFTH SEMESTER**

S.No.	Course Code	Course Title	Course Outcome
1.	BID501	Interior Design Studio- V	The students should be able to: Solve technical and practical issues encountered while designing while designing most functional office space.
2.	BID502	Material & Construction Techniques - IV	The students should be able to: Identify the causes and remedies of various defects in existing and new construction. the need and application of modular coordination in buildings.
3.	BID503	Building Interior Services - III (HVAC & Acoustics, Lift & Escalators)	Student should be able to working out quantities schedule of rates and Bill of Quantities.
4.	BID504	Working Drawings	The students should be able to: The preparation of working drawings for buildings with specific reference to code of practice and incorporating specifications as complementary to the working drawings.
5.	BID505	Revitalization of Art & Craft - I	The course provides an understanding of the role of revitalization of Art/Craft form in Interior Spaces.
6.	BID506	Furniture Detailing - I	The students aware of the furniture designing which is a important part of interior design.
7.	BCU541	Communication Skills - V	<ul style="list-style-type: none"> <li>• Communicate fluently and sustain comprehension of an extended discourse.</li> <li>• Demonstrate ability to interpret texts and observe the rules of good writing.</li> <li>• Prepare and present effective presentations aided by ICT tools.</li> </ul>
8.	BSU543	Behavioural Science-V	<ul style="list-style-type: none"> <li>• Students will Develop critical and reflective thinking abilities</li> <li>• Students will Demonstrate an understanding of group dynamics and effective teamwork</li> <li>• Student will develop a range of leadership skills and abilities such as effectively leading change, resolving conflict, and motivating others</li> <li>• Student will Gain knowledge and understanding of organization resources, policies, and involvement opportunities.</li> <li>• Student will Develop strategies to recruit, retain, and continually motivate contributing members to the organization</li> </ul>
9.	FLU544	French	To understand and read official mail in French. To understand and present biography of Scientist in French Able to write, read and understand simple scientific article in French
10.	Minor Track	CBCS / MOOC	A student may select courses from domain electives, Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.

## SIXTH SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID601	INTERIOR DESIGN STUDIO – VI	Able to do spatial design of Hotels/ Resorts. unit addresses the technical and practical issues encountered while designing while designing most functional Hotels/ Resorts.
2.	BID602	DISSERTATION	Having successfully completed this module you will be able to: <ul style="list-style-type: none"> <li>• Identify key research questions within the field of Demography on which you will carry out independent research.</li> <li>• Manage your time effectively whilst working on your independent research.</li> <li>• Demonstrate knowledge and understanding of report writing.</li> <li>• Use and develop written and oral presentation skills. Analyse and synthesise research findings.</li> </ul>
3.	BID603	ADAPTIVE REUSE AND REFURBISHMENT	The course provides an understanding of the role of using existing resources and proposing a new solution.
4.	BID604	FURNITURE DETAILING -II	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.
5.	BID605	DISASTER MANAGEMENT	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.
6.		ELECTIVE - III	
	BID606	INTELLIGENT INTERIORS	The course provides an understanding of the latest technologies taken into consideration to build an intelligent building
	BID607	EXHIBITION DESIGN	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.
7.	BCU641	COMMUNICATION SKILLS - VI	<ul style="list-style-type: none"> <li>• To communicate contextually in specific personal and professional situations with courtesy.</li> <li>• To inject humour in their regular interactions.</li> <li>• To strengthen their creative learning process through individual expression and collaborative peer activities.</li> </ul>
8.	BSU643	BEHAVIOURAL SCIENCE- VI	<ul style="list-style-type: none"> <li>• Student will able demonstrate thorough understanding of stress and its effects</li> <li>• Student will able to learn various coping strategies to</li> </ul>

			deal stress effectively so to overcome the consequences and impact of stress on their health and wellbeing, ultimately it will enhance their performance
9.	FLU644	FRENCH	<ul style="list-style-type: none"> <li>• Le présent (révision)</li> <li>• Les prépositions et les verbes</li> <li>• Les pronoms possessives</li> <li>• Les verbes réciproques</li> </ul>
10	Minor Track	CBCS / MOOC	A student may select courses from domain electives, Open elective course is from an unrelated discipline/subject, with an intention to seek exposure in that discipline/subject.

### SEVENTH SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID701	INDUSTRY INTERNSHIP	The student will understand the various aspects of interior design practice and will learn about the office management other professional dealings through the practical exposure of the interior design, construction and execution.

### EIGHTH SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1.	BID 801	Interior Design (Thesis Project)	Student will be able to find 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.
2.	BID 802	Professional Practice	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.
3.	BID 803	Lighting in Interiors	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.
4.		<b>Elective IV</b>	
	BID 804	Film & Television Set Design	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'. 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. Learning and teaching with the help of videos during class.
	BID 805	Vastushastra in Interior Design	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.



# 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**

**MASTER OF PLANNING (URBAN AND REGIONAL)**

## Master of Planning (Urban and Regional)

### Program Education objectives (PEOs)

The PEOs are **broad statements** that describe the career and professional accomplishments that the program is preparing its graduates to achieve in 5 years subsequent to receiving the degree. The PEOs of the M. Planning (Urban & Regional) program are as follows:

The CU graduates after successful completion of their M. Planning (Urban & Regional) Program will be able:

**PEO1:** To educate Students about the social and economical, legal and political, environmental and physical, governance and management aspects of planning.

**PEO 2:** To imbibe knowledge in concepts, and theories, methods and techniques, social realities and technological advancement and its efficient implementation, research, data analysis and interpretation and a solution finding approach.

**PEO 3:** To be a part of high performing professionals of prestigious private, public or community organizations of socio-economic, environment and spatial planning relevance.

**PEO 4:** To create world class teaching, research, training and consultancy activities by a. Engaging experienced academics, professionals as part of teaching and evaluation of planning projects, dissertation and thesis and b. Student and faculty exchange program with a partnered university of the world.

**PEO 5:** To emulate and inspire high ethical values in professional practice

### Programme Outcomes:

**[PO.1]. Planning knowledge:** Apply the knowledge of urban and regional planning principles in the domain of regional setting, spatial planning, demography, social infrastructure, physical infrastructure, transportation, urban design, remote sensing and GIS, to provide solutions to modern day urban and regional issues.

**[PO.2]. Problem analysis:** Identify, formulate, research literature, mapping and analyse complex planning problems reaching substantiated conclusions using principles of city planning, urban planning, and regional planning and sustainable development goals.

**[PO.3]. Design/development of solutions:** Planning and design solutions for urban planning and development problems with appropriate processes that meet the specified needs with appropriate consideration for the public health and safety, and the economical, legal, cultural, societal, and environmental considerations.

**[PO.4]. Conduct investigations of complex problems:** Use research-based knowledge and research



methods including field surveys, primary surveys, secondary surveys, analysis and interpretation of data, and synthesis of the information to provide valid conclusions, inferences, recommendations and proposals.

**[PO.5]. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern planning and IT tools including GIS, prediction, forecasting and modeling to complex urban and regional scenarios with an understanding of the limitations.

**[PO.6]. The planner and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues, and the consequent responsibilities relevant to the professional planning practice.

**[PO.7]. Environment and sustainability:** Understand the impact of the professional planning and development solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**[PO.8]. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the planning practices.

**[PO.9]. Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**[PO.10]. Communication:** Communicate effectively on complex planning activities with the planners, architects, economists, sociologist, urban designers, engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**[PO.11]. Project management and finance:** Demonstrate knowledge and understanding of the planning and development principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**[PO.12]. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of urban and regional planning developing scenarios.

### **Programme Specific Outcomes:**

**PSO 1:** Will be able to plan, design, develop and implement efficient development planning reports for a given real life problem.

**PSO 2:** Will be able to apply knowledge of planning tools and software like GIS, Remote Sensing and analyzing and forecasting scenarios for urban and regional data for extracting useful information from it and for performing predictive analysis.

**PSO 3:** Will be able to plan, design, and draft development planning reports and publishing research reports in distinguished journals.

**Course Outcomes:  
FIRST SEMESTER**

<b>S.No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Course Outcome</b>
1	MUR P 101	Planning History and Theory	The outcome of this course is to learn the historic growth and development of settlements across civilizations and the evolution of civic planning as a discipline through theories and concepts of modern planning thought.
2	MUR P 102	Socio-economic basis for Planning	The outcome of this course is study and implement to make the various planning proposals based on the Economics and Urban sociology, as essential inputs to the Planning profession.
3	MUR P 103	Planning Techniques	The outcome of this course to make student able to use the techniques in respective studio works. Appropriate Software applications in CAD and GIS.
4	MUR P 104	Infrastructure and Transport Planning	The course will teach the students a part on the design principles of transport planning and another on services and utility networks and facilities.
5	MUR P 105	Housing and Environmental Planning	The course would have two sections on housing and environment and introduce the basics of both in relation to each other.
6	MUR P 106	GIS	Outcome is to learning of basic techniques such as GIS applications, remote sensing and statistical applications. The advance system of GIS contains a number of plan preparation assignments.
7	MUR P 107	Studio	The outcome is to bring students of diverse backgrounds to a common platform and develop the essential skills of planning amongst the students opting for different specializations of planning.
8	MUR P 111	Seminar- I	The outcome of this course is to provide a platform for students of planning to get interactive and put forward their point of views by involving themselves into Group Discussions and Presentation related to Physical planning, planning issues, planning policies, Planning interventions and Case Studies etc.

## SECOND SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1	MUR P 201	Regional Planning and Development	The objective of the course is to understand the theoretical basis for various concepts and analytical tools of Regional Planning and learn the practice of regional planning in the Indian context. Elements of settlement system in the regional context are also incorporated in this course.
2	MUR P 202	Planning Legislation	The outcome of this course is to teach students with the various legislations in existence in India which had an impact on urban and regional planning and development.
3	MUR P 203	Local Governance, Management and Finance	The outcome of this course is to apprise the students of the local governance framework at sub provincial level and resource mapping of local governments with special emphasis on municipal governments in our country. The course intends to acquaint the students with the governance structure and fiscal and financial background of the local governments and tools and techniques to strengthen them.
4	MUR P 204	Land Economics and Real Estate	This course outcome is to introduce students about the concept of land markets and development of cities with private developers with the interests of profit, as key players in the development process.
5	MUR P 205	Transportation Planning and Management	The outcome of this course is to introduce to the students of planning with the integration of transportation planning and its interface of land use planning.
6	MURP 206	Studio-I Urban Planning	The outcome of this studio is the preparation of a urban development plan (master plan) for a city.
7	MUR P 207	Geoinformatics Lab	The outcome of this course is to equip students with advanced concepts of Geoinformatics with special emphasis on applications in Urban and Regional Planning.
8	MUR P 211	Seminar- II	The outcome of this course is to provide a platform for students of planning to get interactive and put forward their point of views by involving themselves into Group Discussions and Presentation related to Physical planning, planning issues, planning policies, Planning interventions and Case Studies etc.

### THIRD SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1	MURP 301	Project Appraisal and Management	The outcome of this course is to train the students in managing a project right from its conception to evaluation and its application on all aspects of project management Besides imparting the application techniques relevant for the concerned topic.
2	MURP 302	Disaster Mitigation and Management	The outcome of this course is to initiate students with the issues of various types of natural and man-made Disasters and impart techniques of mitigation and management.
3	MURP 303	Urban Design and Landscape	The outcome of this course is to acquaint student with the role of urban design and landscape planning in Urban and Regional Planning and equip them with appropriate methods and techniques.
4	MURP 304	Elective I	
		Urban Redevelopment	This course outcome is to introduce students about basic concepts in urban renewal and the process or urban renewal, and its application to specific practice settings and questions.
5	MURP 305	Planning for Tourism	The outcome of this course is the application of the principles of planning for tourism in various tourism contexts and developing appropriate planning strategies and tools.
6	MURP 306	Quantitative Methods and Systems Analysis	The outcome of this course is to teach the students about a wide variety of applications and problems that can be addressed using quantitative methods and techniques. Analytic techniques and computer packages will be used to solve problems.
7	MURP 307	Seminar-III	The outcome of this course is to provide a platform for students of planning to get interactive and put forward their point of views by involving themselves into Group Discussions and Presentation related to Physical planning, planning issues, planning policies, Planning interventions and Case Studies etc.

8	MURP 308	Studio -3 Planning Studio- II (Regional Planning)	The outcome of this studio is the preparation of a regional development plan for a selected area.
9	MURP 309	Elective II	
		Planning for Special Areas	The outcome of this course is to introduce the students to various Special Areas with their specific planning needs and priorities and the implication on development in these areas.
	MURP 310	Sustainable Planning Practices	The outcome of this course is to familiarize students with the concept of sustainable development and develop skills to understand emerging aspects of sustainable planning practices.
10	MURP 311	Summer Internship (Evaluation)	The outcome of this course is to expose the students to the practical environment and works by working under a planning firm/organization. To gain a practical knowledge and involved in all aspects of office works.

#### FOURTH SEMESTER

S.No.	Course Code	Course Title	Course Outcome
1	MURP 401	Financing Development	The outcome of this course is to provide knowledge and implementation of resource mobilisation and intergovernmental fiscal relations, state grants and shared taxes of local bodies, municipal finance, property tax, institutional approaches, capital Investments and other new initiatives for financing development.
2	MURP 402	Legal Issues in Planning	The outcome of this course is to understand the complexity of legal issue in urban planning with gaining knowledge of various acts, policies, programmes and government resolution practice by national and state government, international affairs; professional practice in planning.
3	MURP 403	Thesis	The outcome of this course is to develop independent critical thinking and design/research abilities and apply the knowledge gained, skills developed and professionalism inculcated over the last three semesters in an exercise of own interest and significant complexity.