



AMITY UNIVERSITY

HARYANA

Established vide Government of Haryana Act No.10 of 2010

(Accredited with Grade 'A' by NAAC)

Supporting Documents of Metric No. 1.2.2

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

Following Documents are Appended:

1. List Of Programmes in which CBCS was implemented
2. University Letter indorsing the implementation of CBCS
3. Minutes of Academic Council Meetings
4. Programme Structure



1.2.2 Number of Programmes in which Choice Based Credit System (CBCS)/ Elective course system has been implemented during the year (2021-22)

Sl. No.	Name of all Programmes adopting CBCS Course System	Name of all Programmes adopting Elective Course System	Programme Code	Year of implementation of CBCS / Elective course system
1	Bachelor of Business Administration	Bachelor of Business Administration	13064	2013, 2010
2	Bachelor of Business Administration (Banking & Finance)	Bachelor of Business Administration (Banking & Finance)	13579	2013
3		Bachelor of Business Administration (International) GSP	131100	2021
4		Master of Business Administration	13019	2010
5		Master of Business Administration (Banking & Finance)	13502	2012
6		Master of Business Administration (Executive for Working Professionals)	13622	2016
7		Master of Business Administration (Executive Full-Time)	13339	2011
8		Master of Business Administration (Hospital & Healthcare Management)	13395	2011
9		Master of Business Administration (Business Analytics)	131108	2019
10		Master of Business Administration (Sustainability Management)	131576	2021
11	Bachelor of Arts (Hons.) (Economics)	Bachelor of Arts (Hons.) (Economics)	13182	2013, 2010
12		Master of Arts (Economics)	13301	2012
13	Bachelor of Commerce (Hons.)	Bachelor of Commerce (Hons.)	13046	2013, 2010
14		Master of Commerce	13576	2013
15	Bachelor of Hotel Management	Bachelor of Hotel Management	13289	2015
16	Bachelor of Tourism & Travel Management	Bachelor of Tourism & Travel Management	13816	2015
17	Bachelor of Science (Clinical Psychology)	Bachelor of Science (Clinical Psychology)	13407	2013, 2011
18	Bachelor of Arts (Hons.) (Applied Psychology)	Bachelor of Arts (Hons.) (Applied Psychology)	13069	2013
19		Master of Arts (Counselling Psychology)	13033	2012
20		Master of Arts (Applied Psychology)	13166	2016
21		Master of Science (Clinical Psychology)	13408	2011
22		Master of Social Work	13202	2016
23	Bachelor of Technology (Aerospace Engineering)	Bachelor of Technology (Aerospace Engineering)	13055	2013, 2011
24	Bachelor of Technology (Civil Engineering)	Bachelor of Technology (Civil Engineering)	13158	2013, 2010
25	Bachelor of Technology (Computer Science & Engineering)	Bachelor of Technology (Computer Science & Engineering)	13052	2013, 2010
26		Bachelor of Technology (Computer Science & Engineering) International (GSP)	131095	2020



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Sl. No.	Name of all Programmes adopting CBCS Course System	Name of all Programmes adopting Elective Course System	Programme Code	Year of implementation of CBCS / Elective course system
27	Bachelor of Technology (Electronics & Communication Engineering)	Bachelor of Technology (Electronics & Communication Engineering)	13051	2013, 2010
28	Bachelor of Technology (Biomedical Engineering)	Bachelor of Technology (Biomedical Engineering)	13399	2013, 2011
29	Bachelor of Technology (Mechanical Engineering)	Bachelor of Technology (Mechanical Engineering)	13998	2013, 2010
30	Bachelor of Technology (Electrical & Electronics Engineering)	Bachelor of Technology (Electrical & Electronics Engineering)	13246	2013, 2012
31	Bachelor of Technology (Artificial Intelligence & Machine Learning)	Bachelor of Technology (Artificial Intelligence & Machine Learning)	131325	2020
32		B.Tech. + M.Tech. Artificial Intelligence & Machine Learning	131326	2017
33		B.Tech. + M.Tech. Network & Cyber Security	131124	2017
34		B.Tech. + M.Tech. Data Science	131123	2017
35		Master of Technology (Electronics & Communication Engineering)	13153	2010
36		Master of Technology (Civil Engineering)	13578	2013
37		Master of Technology (Mechanical Engineering)	13581	2013
38		Master of Technology (Data Science)	13684	2017
39		Master of Technology (Artificial Intelligence)	131448	2017
40		Master of Technology (Network & Cyber Security)	131128	2017
41		Master of Technology (Defence Technology)	131588	2021
42	Bachelor of Science (Information Technology)	Bachelor of Science (Information Technology)	13049	2013, 2011
43	Bachelor of Computer Application	Bachelor of Computer Application	13048	2013, 2010
44		Master of Computer Application	131450	2010
45		Master of Technology (Solar & Alternate Energy)	13208	2012
46	Bachelor of Science (Hons.) (Chemistry)	Bachelor of Science (Hons.) (Chemistry)	13558	2014
47	Bachelor of Science (Hons.) (Mathematics)	Bachelor of Science (Hons.) (Mathematics)	13556	2014
48	Bachelor of Science (Hons.) (Physics)	Bachelor of Science (Hons.) (Physics)	13557	2014
49	Bachelor of Science (Hons.) (Forensic Science)	Bachelor of Science (Hons.) (Forensic Science)	13059	2014
50		Master of Science (Chemistry)	13509	2013
51		Master of Science (Mathematics)	13510	2013
52		Master of Science (Physics)	13500	2012



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Sl. No.	Name of all Programmes adopting CBCS Course System	Name of all Programmes adopting Elective Course System	Programme Code	Year of implementation of CBCS / Elective course system
53		Master of Science (Forensic Science)	13011	2014
54		Master of Science (Biochemistry)	13690	2014
55	Bachelor of Science (Hons.) (Earth Science)	Bachelor of Science (Hons.) (Earth Science)	13751	2015
56		Master of Science (Environmental Science & Management)	13619	2014
57	Bachelor of Science (Hons.) (Biotechnology)	Bachelor of Science (Hons.) (Biotechnology)	13044	2013, 2010
58	Bachelor of Science (Hons.) (Biological Science)	Bachelor of Science (Hons.) (Biological Science)	13692	2014
59	Bachelor of Technology (Biotechnology)	Bachelor of Technology (Biotechnology)	13041	2013, 2010
60		Master of Science (Biotechnology)	13002	2010
61		Master of Technology (Biotechnology)	13107	2010
62		Master of Science (Data Science)	131177	2019
63		Post Graduate Diploma (Data Science)	131345	2019
64	Bachelor of Arts (Journalism & Mass Communication)	Bachelor of Arts (Journalism & Mass Communication)	13798	2015
65		Bachelor of Arts (Journalism & Mass Communication) International (GSP)	131468	2021
66	Bachelor of Science (Animation & Visual Graphics)	Bachelor of Science (Animation & Visual Graphics)	13493	2013, 2012
67		Master of Arts (Journalism & Mass Communication)	13800	2010
68		Post Graduate Diploma (Journalism & Mass Communication)	13347	2011
69	Bachelor of Arts (Hons.) (History)	Bachelor of Arts (Hons.) (History)	13573	2013
70	Bachelor of Arts (Hons.) (Political Science)	Bachelor of Arts (Hons.) (Political Science)	13574	2013
71	Bachelor of Arts (Hons.) (English)	Bachelor of Arts (Hons.) (English)	13061	2013, 2012
72		Master of Arts (English)	13103	2012
73	Bachelor of Arts (Hons.) (French)	Bachelor of Arts (Hons.) (French)	13062	2014
74	Bachelor of Arts (Hons.) (German)	Bachelor of Arts (Hons.) (German)	13089	2017
75	Bachelor of Arts (Hons.) (Spanish)	Bachelor of Arts (Hons.) (Spanish)	13063	2018
76	Bachelor of Design in Fashion Design	Bachelor of Design in Fashion Design	13817	2015
77	Bachelor of Interior Design	Bachelor of Interior Design	13803	2015
78	Bachelor of Fine Arts	Bachelor of Fine Arts	13057	2013, 2011
79		Master of Fine Arts	13010	2011
80		B.A., LLB (Hons.)	13111	2012
81		B.Com, LLB (Hons.)	13216	2012
82		BBA, LLB (Hons.)	13215	2012

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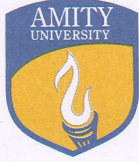


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83		Master of Law (LLM)	13018	2011
84	Bachelor of Science (Dietetics & Applied Nutrition)	Bachelor of Science (Dietetics & Applied Nutrition)	13393	2013, 2011
85	Bachelor of Science (Medical Lab Technology)	Bachelor of Science (Medical Lab Technology)	13165	2013, 2014
86	Bachelor of Optometry	Bachelor of Optometry	131127	2013, 2012
87		Bachelor of Audiology & Speech Language Pathology	13389	2014
88		Master of Science (Clinical Research)	13402	2013
89		Master of Science (Dietetics & Applied Nutrition)	13394	2012
90		Master of Optometry	131133	2011
91		Master of Optometry (Practitioner)	131134	2012
92		Master of Public Health	13396	2012
93		Master of Hospital Administration	13340	2011
94		Master of Science (Medical Lab Technology)	13163	2015
95		Master of Hospital Administration (Executive for Working Professionals)	131135	2017
96	Bachelor of Science (Molecular Medicine & Stem Cell Technologies)	Bachelor of Science (Molecular Medicine & Stem Cell Technologies)	131311	2019
97		Master of Science (Molecular Medicine & Stem Cell Technologies)	131312	2019
98		Bachelor of Science (Nursing)	13184	2011
99		Post Basic Bachelor of Science (Nursing)	13560	2012
100		Master of Science (Nursing)	131449	2015
101		Bachelor of Pharmacy	13133	2018
102		Bachelor of Architecture	13040	2012
103		Bachelor of Planning	13349	2011
104		Master of Planning (Urban & Regional)	131469	2020

Mansur

Registrar
Amity University Haryana
Amity University Haryana
Manesar Gurgaon-122413



AMITY UNIVERSITY

HARYANA

Established vide Government of Haryana Act No.10 of 2010

AUH/Dean (A)/April 25, 2013

NOTIFICATION

With reference to 5th Academic Council Meeting held on April 09, 2013 where Item No. AC 5.8 w.r.t introduction of Flexible Credit System was approved it is hereby notified that this new system will come in place from the session 2013-14. The details of the programme structure and minor courses being offered are available in the Academic Manual 2013-14 and programme structure document which may be strictly followed.

Padmakali

Prof. (Dr.) Padmakali Banerjee
Pro Vice Chancellor & Dean-Academics

Dean - Academics
Amity University Haryana
Manesar, Gurgaon-122413

AMITY UNIVERSITY HARYANA

April 9, 2013

MINUTES OF THE FIFTH MEETING OF THE ACADEMIC COUNCIL OF AMITY UNIVERSITY HARYANA, HELD ON APRIL 9, 2013

The fifth meeting of the Academic Council was held April 09, 2013.

The following were present:

Prof (Dr) R. C. Sharma	Vice Chancellor	Chairman
Maj. Gen B.S. Suhag (Retd)	Dy Vice Chancellor	Member
Prof (Dr) Padmakali Banerjee	Pro Vice Chancellor	Member
Dr. B. P Singh		Member
Maj Gen VK Narang		Member
Dr. V. Madhukar		Member
Dr. JR Luthra		Member
Dr. S. K Gupta		Member
Dr. P. Barua		Member
Maj Gen Mahavir Singh (Retd)		Member
Col Arun Johri (Retd)		Member
Dr. Priti Singh		Member
Dr. R. Arul		Member
Dr. S. Arul		Member
Dr. S. K Ray		Member
Shri S Sengupta		Member Secretary



Special Invitee

Prof. SK Dubey

Dr. J.P Dudeja

Dr. R.K Malik

Dr. A. K Raghav

Dr. Bhavana Adhikari

Maj Gen GS Bal (Retd)

Shri R.K Dhingra

Ms. Esha Jainiti

Dr. Ranjeet Brajpuria

Following members could not attend the meeting

Col SP Singh

Dr. SMP Khurana

Mr. JK Mehta

At the outset, the chairman extended warm welcome to all the members. He then asked the Registrar to present the agenda items chronologically and the members can then deliberate upon the items.

Item No. AC 5.1: To confirm the minutes of fourth meeting of Academic Council held on 07 Sep 2012.

The Registrar informed the Council that Minutes of the last meeting were circulated some time back. As no observation was received by Registrar's office, the minutes are now presented to the council for its approval. The Council resolved to approve the minutes.

Item No. AC 5.2: To consider and approve, if thought fit, enhancement of cut off marks in the entry level qualification marks and also to raise intake level in various programs

The point was extensively deliberated by all the members. It was brought out that we are generally following the cut off marks which are being followed by other top Institution/



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Universities. Further, Dr. Madhukar, In Charge admissions, informed the Council that cutoff marks is just one of the many criteria which are taken into account before a student is granted final admission. Hence we have ample filters to weed out poor students. It was also pointed out that for admission to Ph.D., requirement of NET qualification must be made mandatory. VC added that NET qualification is not mandatory for employment in industry. Hence a student seeking Ph.D. for the purpose of employment in industry will be unduly burdened. PVC was of the view that, for the time being, status quo may be maintained and any change may be considered later on. The members agreed to this view.

On the point of increase in intake it was pointed out that since we are not able to get good numbers, it is better that we become realistic in our approach as there is no point in increasing the intake disproportionately as it would also require recruitment of faculty proportionately and creating infrastructure without any optional utilization of the same. It was added that requirement shown in the agenda is a projection for future and actual enrollment will be done only when the requisite infrastructure is in place. As all such projection are required to be sent to the Government long before they are actually implemented, it will be prudent to seek approval of Academic Council in advance. The Government will be approached at an appropriate time. However, the members were of the view that a committee be formed and the recommendations of the committee be put up to the Council in its next meeting.

AC 5.3: To recommend to the BOM introduction of the new Courses wef session 2013-14 and to approve course curricula and syllabi.

A list of courses was presented to the Council along with syllabi for recommending the same to the Board of Management. Hence it is advisable to have some new but advance courses.

Following courses were suggested by different institutions:

- (a) M.Tech (Mechanical Engg with Mechatronics)
- (b) M.Tech (Mechanical Engg with Nuclear Engg)
- (c) M.Tech (Hydro systems Engg & Management)
- (d) 5 yrs integrated program in Maths and Computing
- (e) 5 yrs M.Sc (Economics)
- (f) 5 yrs M.Sc (Statistics)



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(g) M.Sc – Graphics & Animation

(h) M.Sc (Med Lab Technology)

The Pro Vice Chancellor proposed to form a committee under the Chairmanship of Dr. SK Dubey to finally suggest new programs incorporating brief outline and syllabi, including the above, for submission to the Academic Council. The members agreed to the same.

AC 5.4: To recommend to the Board of Management for starting of new Institute.

The Council was presented with a proposal to start following new Institute Schools

(a) Amity School of Hotel Management

(b) Amity Institute of Nano Sciences

(c) Amity Institute of Laser Technology & Optoelectronics

(d) Amity College of Commerce

(e) Amity School of Economics

It was suggested to have a Center for Advance Technology which will include advance technology programs like Nano Sciences and Laser Technology. Dr. Dudeja pointed out that there may be problem of less enrolment in these Institutes. PVC suggested that to overcome the problem of less enrolment, these Institute may start Ph.D. program. Prof BP Singh added that to attract more students, fellowships also can be started. Dr. Dube opined that some policy may be devised to define the Department / School / Institute / Center etc.

AC 5.5: To Review Admission plan for the session 2013-14 and progress made till date.

Admission in Charge, Dr. V Madhukar, presented a brief report on admission plan for the session 2013 and the progress made so far. He informed the Council that admission target for the session is 2500. The Council resolved to accept the report.

AC 5.6: To recommend to the Board of management the number of teachers to be appointed.

Based on the probable enrolment, all the School / Institute have submitted requirement of teachers to be appointed in the forth coming session. The requirement was deliberated by



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the members and it was decided to rationalize the requirement further. It was also recommended that experts from industry to be represented on faculty recruitment panels.

AC 5.7: To recommend to the Board of Management name of students for the award of degree.

The Council resolved to recommend the list to the Board of Management. The Chairman, however, requested the Registrar to once more ensure that the list is correct in all respect.

Ac 5.8: To recommend to the Board of Management introduction of Flexi Credit System.

Members deliberated the issue. It was brought out that large numbers of students are likely to register in easy popular courses, such as Photography. PVC was of the view that a cap on maximum number of students registering in a particular course be applied to avoid such situation. PVC also requested the HOD / Coordinators present in the council to seek cooperation from the faculty members as implementation of this new system would warrant a concerted and coordination effort. The council resolved to accept the recommendation made in the paper.

Ac 5.9: To amend marks distribution in B. Plan

Director, ASAP explained that ITPI criteria for weight distribution between theory and & practical paper is 50% each. Whereas at Amity we following a criteria 70% and 30%. As we are required to follow the norms of ITPI, the council resolves to accept the proposal.

AC 5.10: Any other point with permission from the Chair.

The Member Secretary tabled the various Policies, SOPs and Guidelines shared as an Appx which needs to be introduced in r/o AUH and same needs to be vetted before they are put up to Board of Management and Governing Body for ratification. The council accepted the same.

With due permission from the Chairman, Air Cmde (Retd) K Thakur sought the approval of the council to revised syllabi of Aerospace Engineering that he proposed. He informed the council that the in revised syllabi many new subjects have been include while some old subjects which were obsolete have been discarded. In this process total credits have also been reduced to 202 from the earlier 230. A brief presentation on biomedical program was also made by Ms. Ipshita Gupta,



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Dr. Dube suggested that courses on M. Tech in Medical Science and Technology can be started. This is a specialized course for MBBS qualified doctors. It does not require approval from any regulatory body. He also suggested that a course on Master of City Planning may be started. Prof S K Gupta replied that we already have the course namely M. Plan.

While closing up the meeting, the Vice Chancellor advised that if any new program is proposed by any Institute / School, the HOI/HOS concerned must inform the Registrar's office at least 5 months in advance as the Dept of Higher Education, Govt of Haryana is to be approached for this purpose at least 4 months in advance.

The meeting was then declare over after exchange of thanks between the Chair and members.


Registrar





AMITY UNIVERSITY HARYANA
POLICIES, SOPs AND GUIDELINES

Sr. No.	AUH POLICIES AND GUIDELINES	CODE
1	Examination Regulations	ACP
1a	Policy for Evaluators & Checkers	ACP
1b	Policy Guidelines for Preparation and Submission of Question papers.	ACP
1c	Guidelines for Conduct of Convocation	ACP
2	Academic Manual	
2a	Policy on Curriculum Design and Development	ACP
2b	Guidelines for Doctor of Philosophy	
2c	Guidelines/SoP on Field Visits & Extension Activities	ACP
3	Admission Policy/Manual	ACP
3a	Policy for Foreign Students.	ACP
3b	Policy on Fellowships, Scholarships, Stipends and Awards	ACP
4	Student Welfare Policy	ACP
4a	Policy on Anti-Ragging	ACP
4b	Mentoring Policy.	ACP
4c	Guidelines for Class Representatives	ACP
4d	Policy on Advanced and Slow Learners. Regulation on Student Discipline	ACP
5	Policy on Alumni	ALP
6	Policy on Collaboration (Drafting and Vetting of MoUs and Agreements)	COP
7		HRP
7a	HR Policy	HRP
7b	Code of Conduct Equity, Diversity & Non-Discrimination Policy.	HRP
7c	Policy Guidelines for Adjunct, Emeritus, Honorary Faculty & Chair-Professors	HRP
7d	Recruitment Policy	HRP
7e	Policy for Performance Based Evaluation System (PBAS)	HRP
7f	Regulations for Leave	HRP
7g	Policy on CAS & Staff Development Programme	HRP
7h	Policy on Grievances of Employees.	HRP
8	Policy on Innovations and Incubators	IEP
9	Library Manual	LIP
10	E-Governance & IT Integration Policy	LIP
11	Guidelines for Academic Audit	QAP
12	IQAC Policy & Quality Manual	QAP
13	Research Policy	REP
13a	Research Ethics Policy	REP



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Sr. No.	AUH POLICIES AND GUIDELINES	CODE
14	Consultancy Policy	REP
15	Policy on Funding for Research	REP
16	Guidelines for Central Research Facilities	REP
17	Regulation for Prevention of Sexual Harassment	WEP
18	Policy on Grievances of Students	WEP
19	AUH Finance Policy	FOP
20	AUH Vigilance Policy	VMP
21	Environment Consciousness and Sustainability Policy Policy on Waste management.	WEP
21a		WEP

AMITY BUSINESS SCHOOL

FLEXI LEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13064 Bachelor of Business Administration (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2151	Management Foundations	2	1	-	3
MGT2101	Computers in Management	2	-	2	3
MGT2102	Financial Accounting	2	-	2	3
MGT2103	Managerial Economics	2	1	-	3
Concentration Electives					3
COM2103	E-Commerce	2	1	-	3
MGT2104	Business Mathematics	2	1	-	3
ECO2104	Economic System and Society	3	-	-	3
MGT2130	Readings in Management	-	-	-	2
MGT2131	Term Paper	-	-	-	2
MGT2132	Project (with Presentation & Evaluation)	-	-	-	3
MGT2133	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2134	Study Abroad	-	-	-	3
Open Electives					9*+3
LAN2151	Foreign Language -I*	3	-	-	3
LAN2152	French- I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies*	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2251	Marketing Management	2	1	-	3
MGT2201	Human Resource Management	2	1	-	3
MGT2202	Business Statistics	2	-	2	3
MGT2203	Corporate Accounting	2	-	2	3
Concentration Electives					3
MGT2204	Analysis & Design of Business System	2	-	2	3
MGT2205	Innovation & Creativity Management	3	-	-	3
MGT2206	Human Values & Professional Ethics	3	-	-	3
MGT2230	Readings in Management	-	-	-	2
MGT2231	Term Paper	-	-	-	2
MGT2232	Project (with Presentation & Evaluation)	-	-	-	3
MGT2233	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1
MGT2234	Study Abroad	-	-	-	3
Open Electives					5*+3
LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French- II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2351	Organizational Behavior	2	1	-	3
MGT2301	Financial Management	2	-	2	3
MGT2302	Management Information Systems	2	-	2	3
MGT2303	Cost Accounting	2	1	-	3

MGT2304	Analytical Decision Making	2	-	-	2
Concentration Electives					3
ECO2304	Mergers & Acquisitions	3	-	-	3
MGT2305	Industrial Psychology	3	-	-	3
MGT2331	Term Paper	-	-	-	2
MGT2332	Project (with Presentation & Evaluation)	-	-	-	3
MGT2333	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2334	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French- III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2451	Business Environment	2	1	-	3
MGT2401	Production & Operations Management	2	1	-	3
MGT2402	Research Methodology & Report Preparation	2	1	-	3
MGT2403	Management Accounting	2	1	-	3
Concentration Electives					3
MGT2404	Business Information & Data Base System	2	1	-	3
MGT2405	Personal Financial Planning	2	1	-	3
MGT2406	Sales & Distribution Management	2	1	-	3
MGT2431	Term Paper	-	-	-	2
MGT2432	Project (with Presentation & Evaluation)	-	-	-	3

MGT2433	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2434	Study Abroad	-	-	-	3
	Open Electives				4*+3
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French- IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

**SUMMER INTERNSHIP
FIFTH SEMESTER**

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2551	Operations Research	2	-	2	3
MGT2501	International Business Management	2	1	-	3
MGT2502	Entrepreneurship Development	2	1	-	3
MGT2535	Summer Internship Evaluation	-	-	-	6
	Concentration Electives(Select from one group)				6
Marketing					
MGT2503	Consumer Behaviour	2	1	-	3
MGT2504	Service Marketing	2	1	-	3
MGT2505	International Marketing	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Finance					
MGT2506	Financial Services	2	1	-	3
MGT2507	Principles of Investment Management	2	1	-	3
MGT2508	Financial Derivatives	2	1	-	3

MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Human Resource Management					
MGT2509	Organizational Development & Change	2	1	-	3
MGT2510	Training & Development	2	1	-	3
MGT2511	International Human Resource Management	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Information Technology					
MGT2512	Relational Database Management System	2	1	-	3
MGT2513	Software Project Design & Analysis	2	1	-	3
MGT2514	Programming with Microsoft Visual Basic	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Law					
MGT2515	Law of Crimes	2	1	-	3
MGT2516	Investment & Competition Law	2	1	-	3
MGT2517	Law & Technology	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Open Electives					4*+3

LAN2551	Foreign Language –V*	2	-	-	2
LAN2552	French- V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian -V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual , Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT2651	Business Law	2	1	-	3
MGT2601	Business Policy & Strategic Management	2	1	-	3
MGT2637	Dissertation	-	-	-	9
Concentration Electives(Select from same group as Fifth Semester)					6
Marketing					
MGT2602	Brand Management	2	1	-	3
MGT2603	Advertising & Sales Promotion	2	1	-	3
MGT2604	Retail Management	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Finance					
MGT2605	Corporate Tax Planning	2	1	-	3
MGT2606	Banking & Financial Institutions	2	1	-	3
MGT2607	Advanced Corporate Finance	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Human Resource Management					
MGT2608	Industrial Relations & Labour Law	2	1	-	3

MGT2609	Performance Management System	2	1	-	3
MGT2610	Compensation & Reward Management	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Information Technology					
MGT2611	Object Oriented Programming with Java	2	1	-	3
MGT2612	Data Communication & Network	2	1	-	3
MGT2613	Web Database Programming with ASP	2	-	2	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Law					
MGT2614	Intellectual Property Rights	2	1	-	3
MGT2615	Human Rights	2	1	-	3
MGT2616	Industrial Relations & Labour Law	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2634	Study Abroad				3
Open Electives					2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

13579 BBA-Banking and Finance (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2101	Management Foundations	2	1	-	3
MBF2102	Financial Environment	2	-	2	3
MBF2103	Financial Accounting	2	-	2	3
MBF2104	Managerial Economics	2	1	-	3
MBF2105	Principles of Banking	2	1	-	3
Open Electives					9*+3
LAN2151	Foreign Language -I*	3	-	-	3
LAN2152	French- I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies*	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2201	Marketing Management	2	1	-	3
MBF2202	Human Resource Management	2	1	-	3
MBF2203	Business Statistics	2	-	2	3
MBF2204	Corporate Accounting	2	-	2	3
MBF2205	Financial Services	2	-	2	3
Open Electives					5*+3

LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French- II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS 2251	Presentation Skills *	1	-	-	1
BEH 2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				23

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2301	Organizational Behavior	2	1	-	3
MBF2302	Financial Management	2	-	2	3
MBF2303	Computers and Management Information Systems	2	-	2	3
MBF2304	Cost Accounting	2	1	-	3
MBF2305	Money and Banking	2	-	-	2
MBF2306	Corporate Tax Planning	3	-	-	3
	Open Electives				4*+3
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French- III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2401	Management Accounting	2	1	-	3
MBF2402	Production & Operations Management	2	1	-	3
MBF2403	Research Methodology & Report Preparation	2	1	-	3
MBF2404	Banking Law and Practices	2	1	-	3
MBF2405	International Financial Management	2	1	-	3
Open Electives					4*+3
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French- IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS 2451	Corporate Communication*	1	-	-	1
BEH 2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

SUMMER INTERNSHIP

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2501	Operations Research	2	-	2	3
MBF2502	International Business Management	2	1	-	3
MBF2503	Entrepreneurship Development	2	1	-	3
MBF2504	Retail Banking	2	1	-	3
MBF2505	Principles of Investment Management	2	1	-	3
MBF2535	Summer Internship	-	-	-	6
Open Electives					4*+3

LAN2551	Foreign Language –V*	2	-	-	2
LAN2552	French- V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian -V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

PROJECT WORK/ DISSERTATION

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF2601	Business Law	2	1	-	3
MBF2602	Business Policy & Strategic Management	2	1	-	3
MBF2603	E- Banking	2	1	-	3
MBF2604	Advanced Corporate Finance	2	1	-	3
MBF2637	Project Work/ Dissertation	-	-	-	9
	Open Electives				2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

**131100 Bachelor of Business Administration- International
(Global Study Program) (Total Credits-150)**

Programme Structure-2021 (Semester 1-4)

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGG2101	Accounting Fundamentals	2	-	2	3
MGG2102	Computers for Managers	2	-	2	3
MGG2103	Fundamentals of Economics for Managers	2	1	-	3
MGG2105	Management Foundation	2	1	-	3
MGG2108	E-Commerce	2	1	-	3
Open Electives					9*
LAN2151	Foreign Language -I*	3	-	-	3
LAN2152	French- I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies*	4	-	-	4
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGG2201	Corporate Accounting	2	-	2	3
MGG2202	Fundamentals of Human Resource Management	2	1	-	3
MGG2203	India's Foreign Trade	2	1	-	3

MGG2204	Principles of Marketing	2	1	-	3
MGG2205	International Business Environment	2	1	-	3
MGG2206	Business Statistics	2	-	2	3
MGG2207	Human Values & Professional Ethics	3	-	-	3
Open Electives					5*
LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French- II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGG2301	Understanding Organizational Behaviour	2	1	-	3
MGG2302	Fundamentals of Financial Management	2	1	-	3
MGG2303	Fundamentals of Management and International Business	2	1	-	3
MGG2304	Principles of Consumer Behavior	2	1	-	3
MGG2305	Operations Research	2	1	-	3
MGG2306	Entrepreneurship Development	2	1	-	3
MGG2307	International Trade Institutions	2	1	-	3
Open Electives					4*
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French- III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1

BEH2351	Group Dynamics and Team Building*	1	-	-	1
TOTAL					25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGG2401	Business Law	2	1	-	3
MGG2402	Emerging Markets for International Business	2	1	-	3
MGG2403	Cost and Management Accounting	2	1	-	3
MGG2404	Export Management	2	1	-	3
MGG2405	Fundamentals of Production & Operations Management	2	1	-	3
MGG2406	Research Methodology	2	1	-	3
MGG2431	Term Paper	-	-	-	1
Open Electives					4*
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French- IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
TOTAL					23

13019 Master of Business Administration (Total Credits-110)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4101	Management Process & Organizational Behavior	3	-	-	3
MGT4102	Accounting for Management	3	-	-	3
MGT4104	Marketing Management	3	-	-	3
MGT4106	Quantitative Techniques in Management	3	-	-	3
MGT4107	Legal Aspects of Business	3	-	-	3
MGT4108	Human Resource Management	3	-	-	3
MGT4109	Information Technology & E-Commerce	1	-	2	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4201	Financial Management	3	-	-	3
MGT4203	Business Research Methods	2	-	-	2
MGT4204	International Business Environment & Practices	3	-	-	3

MGT4205	Operations Management	3	-	-	3
MGT4207	Management Science	3	-	-	3
MGT4209	Economics for Management	2	-	-	2
MGT4210	Business Analytics	1	-	2	2
MGT4211	Excel for Managers	-	-	2	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
LAN4259	Hindi-II				
Select any Two Electives from any One Area/Stream					(6)
Finance & Accounting					
FIN4201	Corporate Financial Reporting & Analysis	3	-	-	3
FIN4202	Financial Market & Institutions	3	-	-	3
FIN4203	Financial Statement Analysis	3	-	-	3
Human Resource					
HRM4201	Measurement in Human Resource	3	-	-	3
HRM4202	Talent Acquisition & Development	3	-	-	3
HRM4203	Global Human Resource Management	3	-	-	3
International Business					
IBM4201	International Trade Procedures & Documentation	3	-	-	3
IBM4202	Growth Prospects of Thrust Areas of Indian Exports	3	-	-	3
IBM4203	Principles of Global Business Management	3	-	-	3
IBM4204	Global Human Resource Management	3	-	-	3
Information Technology					
ITM4201	Fundamentals of Computers	3	-	-	3
ITM4202	Management Information System	3	-	-	3
ITM4203	Internet Fundamentals	3	-	-	3
ITM4204	Web Design using HTML	3	-	-	3
Marketing & Sales					
MKT4201	Marketing Research	3	-	-	3

MKT4202	Marketing of Services	3	-	-	3
MKT4203	Distribution & Logistics Management	3	-	-	3
MKT4204	Strategic Brand Management	3	-	-	3
E-Commerce					
ECM4201	E-Business Essentials	3	-	-	3
ECM4202	Management Information System	3	-	-	3
ECM4203	Internet Fundamentals	3	-	-	3
ECM4204	Web Design using HTML	3	-	-	3
TOTAL					30

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4301	Strategic Management	3	-	-	3
MGT4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language – III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
1. Select FOUR Major Electives in combination with TWO Minor Electives from following Area/Stream. OR Select any SIX Major Electives from any one specialisation 2. The Major Electives should be from the same stream as opted in Second Semester.					(18)
Finance & Accounting					
FIN4301	Advance Corporate Finance	3	-	-	3
FIN4302	Business Valuation	3	-	-	3
FIN4303	Corporate Restructuring	3	-	-	3
FIN4304	International Financial Management	3	-	-	3
FIN4305	Security Analysis & Portfolio Management	3	-	-	3
FIN4306	Financial Modeling with MS-	3	-	-	3

	Excel				
FIN4307	Financial Risk Management	3	-	-	3
FIN4308	Fixed Income Securities Analysis	3	-	-	3
FIN4309	Management of Financial Services	3	-	-	3
FIN4310	Project Planning Appraisal & Control	3	-	-	3
	Human Resource				
HRM4301	Social & Industrial Psychology	3	-	-	3
HRM4302	Industrial Relations	3	-	-	3
HRM4303	Organizational Change & Development	3	-	-	3
HRM4304	Performance & Competency Management	3	-	-	3
HRM4305	Training & Development	3	-	-	3
HRM4306	Strategic Human Resource Management	3	-	-	3
HRM4307	Collective Bargaining & Negotiation Process	3	-	-	3
	International Business				
IBM4301	International Financial Management & Foreign Exchange Management	3	-	-	3
IBM4302	Risk & Insurance in International Trade	3	-	-	3
IBM4303	WTO and International Regulatory Environment	3	-	-	3
IBM4304	Global Business Operations	3	-	-	3
IBM4305	Foreign Trade Policy	3	-	-	3
IBM4306	International Economics & Policy	3	-	-	3
IBM4307	International Marketing	3	-	-	3
	Information Technology				
ITM4301	Networking Fundamentals	3	-	-	3
ITM4302	Database Management Systems	3	-	-	3
ITM4303	Digital Marketing	3	-	-	3
ITM4304	Introduction to Cloud Computing	3	-	-	3
ITM4305	System Analysis & Design	3	-	-	3
ITM4306	Dynamic Web Design & Development	3	-	-	3
ITM4307	Cyber Security Systems	3	-	-	3
ITM4308	Software Project Management	3	-	-	3
	Marketing & Sales				
MKT4301	Advertising & Sales Promotion	3	-	-	3
MKT4302	Marketing of Financial Services	3	-	-	3
MKT4303	Digital Marketing	3	-	-	3
MKT4304	International Marketing	3	-	-	3

MKT4305	Direct Marketing	3	-	-	3
MKT4306	Retail Management	3	-	-	3
MKT4307	Sales Management	3	-	-	3
MKT4308	Consumer Behaviour	3	-	-	3
	E-Commerce				
ECM4301	Digital Marketing	3	-	-	3
ECM4302	Database Management Systems	3	-	-	3
ECM4303	Networking Fundamentals	3	-	-	3
ECM4304	Software Development Methodologies	3	-	-	3
ECM4305	Software Project Management	3	-	-	3
ECM4306	Technology in Banking	3	-	-	3
ECM4307	Dynamic Web Design & Development	3	-	-	3
ECM4308	System Analysis & Design	3	-	-	3
ECM4309	Cyber Security Systems	3	-	-	3
	TOTAL				31

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4428	Total Quality Management	2	-	-	2
MGT4429	Entrepreneurship Development	2	-	-	2
MGT4437	Dissertation (Commencing Sem-III)	-	-	-	6
	Open Electives				2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
	1. Select TWO Major Electives in combination with TWO Minor Electives from following Area/Stream, If pursuing major & minor specialization OR Select any FOUR Electives from any one specialization, if pursuing major specialization in one functional area. 2. The major and minor area combination should be same as opted in Third Semester.				(12)
	Finance & Accounting				
FIN4401	Financial Engineering	3	-	-	3
FIN4402	Investment Banking	3	-	-	3
FIN4403	Behavioural Finance	3	-	-	3
FIN4404	Fintech-Technology Innovation in Financial Services	3	-	-	3
FIN4405	Private Equity and Entrepreneurial Finance	3	-	-	3
FIN4406	Corporate Tax Planning	3	-	-	3

Human Resource					
HRM4401	Compensation & Reward Management	3	-	-	3
HRM4402	Psychological Testing	3	-	-	3
HRM4403	Labour Legislations in India	3	-	-	3
HRM4404	Dynamics of Leadership	3	-	-	3
HRM4405	Organizational Design & Structural Processes	3	-	-	3
HRM4406	Managerial Counselling	3	-	-	3
International Business					
IBM4401	Leveraging Information Technology in Global Business	3	-	-	3
IBM4402	International Supply Chain Management	3	-	-	3
IBM4403	International Trade Finance	3	-	-	3
IBM4404	Global Sourcing & Business Development	3	-	-	3
IBM4405	International Commodity Management	3	-	-	3
IBM4406	Cross Cultural Management & Management of Multinational Companies	3	-	-	3
Information Technology					
ITM4401	Data Warehousing & Data Mining	3	-	-	3
ITM4402	Leveraging IT in Global Business	3	-	-	3
ITM4403	Marketing of IT Solutions	3	-	-	3
ITM4404	Managerial Decision Support Systems	3	-	-	3
ITM4405	Search Engine Optimization	3	-	-	3
ITM4406	Tools for Business Intelligence	3	-	-	3
Marketing & Sales					
MKT4401	Customer Relationship Management	3	-	-	3
MKT4402	E-Supply Chain Management	3	-	-	3
MKT4403	Industrial Marketing	3	-	-	3
MKT4404	Competitive Marketing	3	-	-	3
MKT4405	Marketing of Non-Profit Organization	3	-	-	3
MKT4406	Business at Bottom of Pyramid	3	-	-	3
E-Commerce					
ECM4401	Social Media Analytics	3	-	-	3
ECM4402	M-Commerce and Mobile App Development	3	-	-	3
ECM4403	E-Customer Relationship Management	3	-	-	3

ECM4404	Tools for Business Intelligence	3	-	-	3
ECM4405	Advancements in Electronic Payment Systems	3	-	-	3
ECM4406	Search Engine Optimization	3	-	-	3
ECM4407	E-Supply Chain Management	3	-	-	3
	TOTAL				24

13502 MBA-Banking and Finance (Total Credits-110)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF4101	Management Process & Organizational Behavior	3	-	-	3
MBF4102	Accounting for Management	3	-	-	3
MBF4104	Marketing Management	3	-	-	3
MBF4106	Quantitative Techniques in Management	3	-	-	3
MBF4107	Financial Environment	2	-	-	2
MBF4108	Human Resource Management	3	-	-	3
MBF4109	Information Technology & E-Commerce	1	-	2	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF4201	Financial Management	3	-	-	3
MBF4203	Business Research Methods	2	-	-	2
MBF4204	International Business Environment & Practices	2	1	-	3

MBF4205	Operations Management	3	-	-	3
MBF4207	General Banking Operations	2	1	-	3
MBF4208	Legal & Regulatory Aspects of Banking	3	-	-	3
MBF4209	Economics for Management	2	-	-	2
MBF4210	Business Analytics	2	-	-	2
MBF4211	Excel for Managers	-	-	2	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					27

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF4301	Strategic Management	3	-	-	3
MBF4303	Technology in Banking	2	-	-	2
MBF4305	Retail Assets and Rural Banking	3	-	-	3
MBF4335	Summer Internship Evaluation	-	-	-	6
Concentration Electives (Any Four)					12
MBF4306	International Financial Management	3	-	-	3
MBF4307	Management of Financial Services	3	-	-	3
MBF4308	Security Analysis & Portfolio Management	3	-	-	3
MBF4309	Project Planning, Appraisal and Control	3	-	-	3
MBF4310	Advance Corporate Finance	3	-	-	3
MBF4311	Business Valuation	3	-	-	3
MBF4312	Corporate Restructuring	3	-	-	3
MBF4313	Financial Modeling using MS-Excel	3	-	-	3
MBF4314	Financial Risk Management	3	-	-	3
MBF4315	Fixed Income Securities Analysis	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1

LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
TOTAL					30

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MBF4401	Bank Accounting & Audit	2	-	-	2
MBF4403	Risk Management in Banking	3	-	-	3
MBF4404	Customer Relationship Management in Banking	2	-	-	2
MBF4405	Treasury Banking	3	-	-	3
MBF4413	Entrepreneurship Development	2	-	-	2
MBF4437	Dissertation (Commencing Sem – III)	-	-	-	6
Concentration Electives (Any Three)					9
MBF4406	Financial Engineering	3	-	-	3
MBF4408	Corporate Tax Planning	3	-	-	3
MBF4409	Investment Banking	3	-	-	3
MBF4410	Behavioural Finance	3	-	-	3
MBF4411	Fintech-Technology Innovation in Financial Services	3	-	-	3
MBF4412	Private Equity & Entrepreneurial Finance	3	-	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					29

13622 MBA-Executive (Working Professionals) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
MWP4101	Marketing Management	3	-	-	3
MWP4105	Accounting for Managers	2	1	-	3
MWP4106	Business Statistics	2	-	1	3
MWP4107	Economics for Managers	2	1	-	3
MWP4108	Organizational Behaviour and Human Resource Management	3	-	-	3
MWP4109	Information Technology for Managers	2	-	1	3
MWP4133	Workshop	-	-	-	2
Open Electives					2
LAN4151	Foreign Business Language-I French-I	2	-	-	2
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
MWP4204	Research Methodology & Report Preparation	2	-	1	3
MWP4205	Fundamentals of Data Analytics	2	-	1	3
MWP4206	Business Environment	3	-	-	3
MWP4207	Financial Management	2	1	-	3
MWP4208	Operations and Supply Chain Management	2	-	1	3
MWP4231	Term Paper	-	-	-	2

MWP4233	Workshop	-	-	-	2
MWP4209	MOOC Course	-	-	-	3
Open Electives					2
	Foreign Business Language-II	2	-	-	2
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					24

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
MWP4302	Strategic Management	3	-	-	3
MWP4311	Innovation and Entrepreneurship	2	1	-	3
MWP4337	Project-I	-	-	-	8
(Any four courses out of any two areas in a combination of 2+2)					
Specialisation in Marketing – Elective Subjects (Any 2)					6
MWP4304	Marketing of Services	3	-	-	3
MWP4312	Sales and Distribution Management	3	-	-	3
MWP4313	Consumer Behaviour	3	-	-	3
MWP4314	Advertising Management and Sales Promotion	3	-	-	3
Specialisation in Finance – Elective Subjects (Any 2)					6
MWP4305	Mergers, Acquisitions & Re-Structuring	3	-	-	3
MWP4315	Management of Banks and Financial Institutions	3	-	-	3
MWP4316	Security Analysis and Portfolio Management	2	1	-	3
MWP4317	Corporate Valuation	2	1	-	3
Specialisation in Human Resource – Elective Subjects (Any 2)					6
MWP4318	Compensation and Reward Management	2	1	-	3
MWP4319	Learning and Development	3	-	-	3
MWP4320	Organizational Development & Change	3	-	-	3
MWP4321	Performance Management System	3	-	-	3
Specialisation in Information Technology and E-Commerce – Elective					6

Subjects (Any 2)					
MWP4322	Database Management System for Business	2	-	1	3
MWP4323	E-Commerce Fundamentals	3	-	-	3
MWP4324	System Analysis & Design	3	-	-	3
MWP4325	Dynamic Web Design & Development	2	-	1	3
Specialisation in Business Analytics – Elective Subjects (Any 2)					6
MWP4326	Programming for Analytics using R	2	-	1	3
MWP4327	Programming for Analytics using Python	2	-	1	3
MWP4328	Visual Analytics Tableau/ Power BI	2	-	1	3
MWP4329	Econometrics	2	-	1	3
Open Electives					2
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
MWP4411	Environmental Governance and Sustainability	3	-	-	3
MWP4412	E-Business Essentials	2	1	-	3
MWP4437	Project-II	-	-	-	8
(Any four courses out of any two areas in a combination of 2+2 (same as in Sem-3))					
Specialisation in Marketing – Elective Subjects (Any 2)					6
MWP4413	Retail Management	3	-	-	3
MWP4414	Digital Marketing	2	1	-	3
MWP4415	Strategic Brand Management	3	-	-	3
MWP4416	Customer Relationship Management	3	-	-	3
Specialisation in Finance – Elective Subjects (Any 2)					6
MWP4417	Fintech	2	-	1	3
MWP4406	Strategic Financial Management	2	1	-	3

MWP4418	International Finance	2	1	-	3
MWP4419	Private Equity and Entrepreneurial Finance	3	-	-	3
	Specialisation in Human Resource – Elective Subjects (Any 2)				6
MWP4420	International Human Resource Management	3	-	-	3
MWP4421	Leadership Development	3	-	-	3
MWP4422	Strategic Human Resource Management	3	-	-	3
MWP4423	Talent Management and Succession Planning	2	1	-	3
	Specialisation in Information Technology and E-Commerce – Elective Subjects (Any 2)				6
MWP4424	Data Warehousing & Data Mining	2	-	1	3
MWP4425	ERP for Businesses	3	-	-	3
MWP4426	Digital Marketing	3	-	-	3
MWP4427	E-Supply Chain Management	3	-	-	3
	Specialisation in Business Analytics – Elective Subjects (Any 2)				6
MWP4428	Predictive Analytics-I Machine Learning using R	2	-	1	3
MWP4429	Predictive Analytics-II Machine Learning using Python	2	-	1	3
MWP4441	Big Data Analytics Hadoop	2	-	1	3
MWP4442	Data Mining	2	-	1	3
	TOTAL				26

**13339 Master of Business Administration-Executive (Total Credits-90)
(MBA-EFT, One-Year Programme)**

Programme Structure-2021

FIRST TRIMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
EMF4101	Accounting in Decision Making	3	-	-	3
EMF4105	Business Environment	3	-	-	3
EMF4106	Organization Behavior	3	-	-	3
EMF4108	Human Resource Management	3	-	-	3
EMF4109	Information Technology & E-Commerce	3	-	-	3
EMF4110	Marketing Management	3	-	-	3
EMF4111	Quantitative Techniques in Management	3	-	-	3
CSS4152	Managerial Communication	3	-	-	3
Open Electives					2
LAN4151	Foreign Business Language-I French-I	2	-	-	2
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					

** Hindi as Foreign Language for Foreign National Students

SECOND TRIMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
EMF4202	Competitive Strategy	3	-	-	3
EMF4203	Business Research Methods	3	-	-	3
EMF4216	Managerial Economics	3	-	-	3
EMF4217	Financial Management	3	-	-	3
EMF4218	Operations Management	3	-	-	3
Concentration Electives					9

	Marketing				
EMF4206	Sales and Distribution Management	3	-	-	3
EMF4207	Product and Brand management	3	-	-	3
EMF4208	Advertising & Integrated Marketing Communication	3	-	-	3
	Human Resource				
EMF4209	Cross Cultural Management	3	-	-	3
EMF4210	Compensation Management	3	-	-	3
EMF4211	Recruitment Selection & Retention	3	-	-	3
EMF4212	Organization Structure, Design and HR Planning	3	-	-	3
	Finance				
EMF4213	Management of Financial Institutions	3	-	-	3
EMF4214	International Financial Management	3	-	-	3
EMF4215	Security Analysis & Portfolio Management	3	-	-	3
	Open Electives				2
LAN4251	Foreign Business Language-II French-II	2	-	-	2
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				26

THIRD TRIMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical /Field work (P) Hours Per Week	Total Credits
EMF4301	Consumer Behaviour	3	-	-	3
EMF4302	Global Business Environment	3	-	-	3
EMF4303	Corporate Governance and Legal Aspects of Business	3	-	-	3
EMF4304	Management Control System	3	-	-	3
	Concentration Electives				9
	Marketing				
EMF4305	Customer Relationship Management	3	-	-	3

EMF4306	Marketing of Services	3	-	-	3
EMF4307	Retail Management	3	-	-	3
EMF4308	E-Commerce	3	-	-	3
	Human Resource				
EMF4309	Performance Management	3	-	-	3
EMF4310	Industrial Relations & Labor Laws	3	-	-	3
EMF4311	Training & Management Development	3	-	-	3
	Finance				
EMF4312	Management of Financial Services	3	-	-	3
EMF4313	Strategic Financial Management	3	-	-	3
EMF4314	Project Management & Control	3	-	-	3
	Open Electives				2
LAN4351	Foreign Business Language-III French-III	2			2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				

FOURTH TRIMESTER: INTEGRATION AND CROWNING

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
EMF4437	Dissertation / Project Work	-	-	-	15
	TOTAL	-	-	-	15

13395 MBA-Hospital & Healthcare Management (Total Credits-110)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HHM4101	Hospital Organization and Management Process	3	1	-	4
HHM4102	Accounting for Management	2	1	-	3
HHM4103	Marketing Management	2	1	-	3
HHM4104	Biostatistics	3	-	-	3
HHM4105	Medical Terminology & Medical Records	2	-	-	2
HHM4106	Essentials of Healthcare Systems	2	1	-	3
HHM4108	Human Resource Management	2	1	-	3
HHM4109	Information Technology and E-Commerce	1	-	2	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German- I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					28

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HHM4201	Financial Management	2	1	-	3
HHM4203	Research Methodology	3	-	-	3
HHM4204	Health Economics	2	1	-	3
HHM4205	Hospital Planning	2	1	-	3

HHM4206	Hospital Materials Management	3	-	-	3
HHM4207	International Business Environment & Practices	3	-	-	3
HHM4208	Epidemiology	2	1	-	3
HHM4209	Excel for Managers	-	-	2	1
HHM4231	Term Paper	-	-	-	4
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					31

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HHM4302	Medical & Health Laws	3	-	-	3
HHM4303	Management of Clinical Services	2	1	-	3
HHM4304	Strategic Management	3	-	-	3
HHM4305	Operations Research	3	-	-	3
HHM4307	Quality Management in Hospitals	2	1	-	3
HHM4308	Management of Support & Utility Services	2	1	-	3
HHM4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1

LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French -III				
LAN4353	German -III				
LAN4354	Spanish - III				
LAN4355	Russian - III				
LAN4356	Chinese - III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HHM4401	Hospital Management Information System	3	1	-	4
HHM4402	Health Insurance and Medical Tourism	2	-	-	2
HHM4406	Entrepreneurship and Consultancy in Healthcare	3	-	-	3
HHM4407	Hospital Service Marketing	4	-	-	4
HHM4408	Disaster Management	1	1	-	2
HHM4437	Dissertation	-	-	-	6
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					23

131108 MBA-Business Analytics (Total Credits-110)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BUA4101	Management Process and Organizational Behaviour	3	-	-	3
BUA4102	Accounting for Management	3	-	-	3
BUA4103	Marketing Management	3	-	-	3
BUA4104	Statistical Techniques	3	-	-	3
BUA4105	Excel for Decision Making	1	-	2	2
BUA4106	Optimization Techniques	2	-	2	3
BUA4107	Database Management System	3	-	-	3
BUA4108	Human Resource Management	3	-	-	3
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BUA4201	Financial Management	3	-	-	3
BUA4202	Operations and Supply Chain Management	3	-	-	3
BUA4203	Econometrics	2	-	2	3

BUA4204	Business Research Methods	1	-	2	2
BUA4205	Economics for Management	2	-	-	2
BUA4206	Programming for Analytics using R	2	-	2	3
BUA4207	Programming for Analytics using Python	2	-	2	3
BUA4208	Consumer Behaviour	3	-	-	3
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					27

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BUA4301	Strategic Management	3	-	-	3
BUA4302	Datamining	2	-	2	3
BUA4303	Predictive Analytics-I Machine Learning using R	2	-	2	3
BUA4304	Predictive Analytics-II Machine Learning using Python	2	-	2	3
BUA4305	Big Data Analytics- Hadoop	2	-	2	3
BUA4306	Financial Decision Analysis	2	-	2	3
BUA4307	Visual Analytics- Tablue/ Power BI	2	-	2	3
BUA4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				

LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				31

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BUA4401	Total Quality Management	2	-	-	2
BUA4402	Financial Analytics	2	-	2	3
BUA4403	Supply Chain Analytics	2	-	2	3
BUA4404	HR Analytics	2	-	2	3
BUA4405	Marketing Analytics	2	-	2	3
BUA4406	Data Privacy and Data Security Laws	2	-	-	2
BUA4437	Dissertation (Analytics Project)	-	-	-	6
	Open Electives				2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
	TOTAL				24

131576 MBA-Sustainability Management (Total Credits-110)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSM4101	Management Process & Organizational Behaviour	3	-	-	-	3
MSM4102	Business & Environmental Legislation	3	-	-	-	3
MSM4103	Accounting for Managers	3	-	-	-	3
MSM4104	Understanding Human Behaviour for Inclusivity	3	-	-	-	3
MSM4105	Sustainable Marketing Concepts	3	-	-	3	6
MSM4106	Application of Disruptive Technologies in Business	3	-	-	3	6
Open Electives						5
CSS4151	Basics of Communication	1	-	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	-	3
LAN4152	German-I					
LAN4153	Spanish-I					
LAN4154	Russian-I					
LAN4155	Chinese-I					
LAN4156	Portuguese-I					
LAN4157	Korean-I					
LAN4158	Japanese-I					
LAN4159	Hindi-I **					
TOTAL						29

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSM4201	Financial Management	3	-	-	-	3

MSM4202	Business Research Methods	3	-	-	-	3
MSM4203	Operations Management	3	-	-	-	3
MSM4204	Excel for Managers	1	-	-	-	1
MSM4205	Economics for Management	3	-	-	-	3
MSM4206	Business Analytics	3	-	-	-	3
MSM4207	Sustainable Development & Sustainability	3	-	-	3	6
Open Electives						5
CSS4251	Corporate Communication	1	-	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	-	1
LAN4251	Foreign Business Language-II French-II	3	-	-	-	3
LAN4252	German-II					
LAN4253	Spanish-II					
LAN4254	Russian-II					
LAN4255	Chinese-II					
LAN4256	Portuguese-II					
LAN4257	Korean-II					
LAN4258	Japanese-II					
LAN4259	Hindi-II					
TOTAL						27

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSM4301	Strategic Management	3	-	-	-	3
MSM4335	Summer Internship Evaluation	-	-	-	-	3
Concentration Electives (Any Three)						18
MSM4302	Sustainable Development & Climate Change	3	-	-	3	6
MSM4303	Sustainability Reporting & CSR	3	-	-	3	6
MSM4304	Human Dimensions of Sustainability	3	-	-	3	6
MSM4305	Business Certification for Sustainability	3	-	-	3	6
Open Electives						4
CSS4351	Interpersonal Communication	1	-	-	-	1
BEH4351	Leading Through Teams	1	-	-	-	1

LAN4351	Foreign Business Language-III French-III	2	-	-	-	2
LAN4352	German-III					
LAN4353	Spanish-III					
LAN4354	Russian-III					
LAN4355	Chinese-III					
LAN4356	Portuguese-III					
LAN4357	Korean-III					
LAN4358	Japanese-III					
LAN4359	Hindi-III					
TOTAL						28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSM4401	Management in Action-Social, Economic & Ethical Issues	3	-	-	-	3
MSM4402	Social Entrepreneurship	2	-	-	-	2
MSM4437	Capstone Project	-	-	-	-	9
Concentration Electives (Any Two)						12
MSM4403	Sustainable Enterprise & Leadership	3	-	-	3	6
MSM4404	Creativity and Innovation in Designing Sustainable Solutions	3	-	-	3	6
MSM4405	Green Marketing & Environmental Product Design	3	-	-	3	6
TOTAL						26

**131577 Executive MBA-Sustainability Management
(Total Credits-100)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSP4101	Sustainable Marketing Concepts	3	-	-	-	3
MSP4102	Accounting for Managers	2	1	-	-	3
MSP4103	Business Statistics	2	-	1	-	3
MSP4104	Economics for Managers	2	1	-	-	3
MSP4105	Organizational Behaviour and Human Resource Management	3	-	-	-	3
MSP4106	Application of Disruptive Technologies in Business	2	-	1	-	3
MSP4133	Workshop	-	-	-	-	2
Open Electives						2
LAN4151	Foreign Business Language-I French-I	2	-	-	-	2
LAN4152	German-I					
LAN4153	Spanish-I					
LAN4154	Russian-I					
LAN4155	Chinese-I					
LAN4156	Portuguese-I					
LAN4157	Korean-I					
LAN4158	Japanese-I					
LAN4159	Hindi-I **					
TOTAL						

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSP4201	Fundamentals of Data Analytics	2	-	1	-	3
MSP4202	Sustainable Development & Sustainability	3	-	-	-	3

MSP4203	Financial Management	2	1	-	-	3
MSP4204	Operations and Supply Chain Management	2	-	1	-	3
MSP4205	Research Methodology & Report Preparation	2	-	1	-	3
MSP4231	Term Paper	-	-	-	-	2
MSP4233	Workshop	-	-	-	-	2
MSP4206	MOOC Course	-	-	-	-	3
Open Electives						2
LAN4251	Foreign Business Language-II French-II	2	-	-	-	2
LAN4252	German-II					
LAN4253	Spanish-II					
LAN4254	Russian-II					
LAN4255	Chinese-II					
LAN4256	Portuguese-II					
LAN4257	Korean-II					
LAN4258	Japanese-II					
LAN4259	Hindi-II					
TOTAL						24

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSP4301	Strategic Management	3	-	-	-	3
MSP4302	Social Entrepreneurship	2	1	-	-	3
MSP4337	Project-I	-	-	-	-	8
Concentration Electives (Any Three)						12
MSP4303	Sustainable Development & Climate Change	3	-	-	1	4
MSP4304	Sustainability: Measurement & Reporting	3	-	-	1	4
MSP4305	Human Dimensions of Sustainability	3	-	-	1	4
MSP4306	Business Certification for Sustainability	3	-	-	1	4
Open Electives						2
LAN4351	Foreign Business Language-III French-III	2	-	-	-	2
LAN4352	German-III					
LAN4353	Spanish-III					
LAN4354	Russian-III					
LAN4355	Chinese-III					
LAN4356	Portuguese-III					
LAN4357	Korean-III					
LAN4358	Japanese-III					

LAN4359	Hindi-III					
	TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	SW/ FW	Total Credits
MSP4401	Environmental Governance and Sustainability	3	-	-	-	3
MSP4402	E-Business Essentials	2	1	-	-	3
MSP4437	Project-II	-	-	-	-	8
	Compulsory Electives					12
MSP4403	Sustainable Enterprise & Leadership	3	-	-	1	4
MSP4404	Creativity and Innovation in Designing Sustainable Solutions	2	1	-	1	4
MSP4405	Green Marketing & Environmental Product Design	3	-	-	1	4
	TOTAL					26

13182 B.A (Honors) Economics (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2151	Micro Economics-I	2	1	-	3
ECO2101	Mathematical Methods for Economics	2	-	2	3
ECO2102	Economic History of India(1857-1947)	3	-	-	3
ECO2103	History of Economic Thought	3	-	-	3
Concentration Electives					3
ECO2104	Economic System and Society	3	-	-	3
MGT2101	Computers in Management	2	-	2	3
COM2103	E Commerce	3	-	-	3
ECO2131	Term Paper	-	-	-	2
ECO2132	Project (with Presentation &Evaluation)	-	-	-	3
ECO2133	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
ECO2134	Study Abroad	-	-	-	3
Open Electives					*9+3
LAN2151	Foreign Language- I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies*	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2251	Indian Economy	3	-	-	3
ECO2201	Micro Economics-II	2	1	-	3
ECO2202	Statistical Methods in Economics-I	2	1	2	4
ECO2203	Environmental Economics	3	-	-	3
Concentration Electives					3
ECO2204	Insurance and Economics	3	-	-	3
MGT2204	Analysis & Design of Business System	2	-	2	3
MGT2205	Innovation & Creativity Management	3	-	-	3
MGT2206	Human Values & Professional Ethics	3	-	-	3
ECO2230	Readings in Economics	-	-	-	2
ECO2231	Term Paper	-	-	-	2
ECO2232	Project (With Presentation & Evaluation)	-	-	-	3
ECO2233	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
ECO2234	Study Abroad	-	-	-	3
Open Electives					5*+3
LAN2251	Foreign Language-II* French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *				
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2351	Macro Economics-I	2	1	-	3
ECO2301	Industrial Economics	2	1	-	3
ECO2302	Statistical Methods in Economics-II	2	1	2	4
ECO2303	Economics of Entrepreneurship	3	-	-	3
Concentration Electives					3
ECO2304	Mergers & Acquisitions	3	-	-	3
ECO2305	Agricultural Economics	3	-	-	3
MGT2305	Industrial Psychology	3	-	-	3
ECO2331	Term paper	-	-	-	2
ECO2332	Project (With Presentation & Evaluation)	-	-	-	3
ECO2333	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
ECO2334	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language-III* French-III	2	-	-	2
LAN2352	German- III				
LAN2353	Spanish- III				
LAN2354	Russian -III				
LAN2355	Chinese- III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2403	Research Methodology	3	-	-	3
ECO2401	Macro Economics-II	2	1	-	3

ECO2402	Comparative Economic Development	2	1	-	3
ECO2451	Public Finance	2	1	-	3
Concentration Electives					3
ECO2404	Economics of Infrastructure	3	-	-	3
MGT2404	Business Information & Data Base System	2	1	-	3
MGT2405	Personal Financial Planning	2	1	-	3
MGT2406	Sales & Distribution Management	2	1	-	3
ECO2431	Term paper	-	-	-	2
ECO2432	Project(With Presentation & Evaluation)	-	-	-	3
ECO2433	Workshop / Certification (Discipline Specific) * (1credit per workshop)	-	-	-	1
ECO2434	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

SUMMER INTERNSHIP

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2551	Econometrics- Basic Theory & Application	2	1	-	3
ECO2501	International Economics	2	1	-	3
ECO2502	Money & Financial Markets	3	-	-	3
ECO2503	Urban Economics	2	1	-	3
ECO2535	Summer Internship Evaluation	-	-	-	6
Concentration Electives					3

ECO2504	Demography	3	-	-	3
MGT2507	Principles of Investment Management	2	1	-	3
MGT2512	Relational Database Management System	2	1	-	3
ECO2531	Term paper	-	-	-	2
ECO2532	Project(With Presentation & Evaluation)	-	-	-	3
ECO2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
ECO2534	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECO2601	Economic Growth & Development	2	1	-	3
ECO2602	Labour Economics	3	-	-	3
ECO2603	Banking & Financial Institutions	2	1	-	3
ECO2637	Dissertation	-	-	-	9
Concentration Electives					3
ECO2604	Health Economics	3	-	-	3
ECO2631	Term paper	-	-	-	2
ECO 2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
ECO2634	Study Abroad	-	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1

BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

13301 M.A-Economics (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture Hours Per Week	Tutorial Hours Per Week	Practical Hours Per week	Total Credits
ECO4101	Micro Economic Theory & Application	2	1	-	3
ECO4102	Macro Economic Theory & Application	2	1	-	3
ECO4103	Computer Application in Economic Analysis	2	1	-	3
ECO4104	Mathematics for Economics	3	1	-	4
ECO4105	Indian Economy-Issues & Policy	3	1	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development& Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					22

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture Hours Per Week	Tutorial Hours Per Week	Practical Hours Per week	Total Credits
ECO4201	Statistics for Economics	3	1	-	4
ECO4202	Mathematical Economics	2	1	-	3
ECO4203	Public Finance in India	2	1	-	3
ECO4204	Advanced Micro Economic Theory & Application	2	1	-	3
ECO4205	Advanced Macro Economic Theory & Application	2	1	-	3

ECO4206	Economics of Growth & Development	2	1	-	3
ECO4231	Term Paper/Review of Dissertation-I	-	-	-	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture Hours Per Week	Tutorial Hours Per Week	Practical Hours Per week	Total Credits
ECO4301	Fundamentals of Econometrics	3	1	-	4
ECO4302	Money & Financial Markets	2	1	-	3
ECO4303	Research Methods in Economics	2	1	-	3
ECO4331	Term Paper/Review of Dissertation-II	-	-	-	2
ECO4335	Summer Internship Evaluation	-	-	-	6
Choose any one Group					
Group A: Industrial and Agriculture Economics					
ECO4304	Industrial Economics	2	1	-	3
ECO4305	Agricultural Economics of India: Incentives & Decision Making	2	1	-	3
Group B: Development Economics					
ECO4306	Economic Development & Policy in India	2	1	-	3
ECO4307	Labour Economics	2	1	-	3
Group C: Public Economics					
ECO4308	Public Financial Administration	2	1	-	3
ECO4309	Environmental Economics	2	1	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1

LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture Hours Per Week	Tutorial Hours Per Week	Practical Hours Per week	Total Credits
ECO4401	Advanced Econometrics	3	1	-	4
ECO4402	Monetary Economics	2	1	-	3
ECO4403	International Economics	2	1	-	3
ECO4437	Dissertation	-	-	-	6
Choose the same group as in 3rd semester					
Group A: Industrial and Agriculture Economics					
ECO4404	Entrepreneurship & Small Scale Business	2	1	-	3
ECO4405	Indian Agriculture-Markets, Institutions & Technology	2	1	-	3
Group B: Development Economics					
ECO4406	Comparative Economic Development	2	1	-	3
ECO4407	Urban Economics	2	1	-	3
Group C: Public Economics					
ECO4408	Applied Welfare Economics	2	1	-	3
ECO4409	Resource Economics	2	1	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					24

Note: All the four Elective Papers have to be chosen either from Group A, Group B, or Group C. Students will be allowed to opt any one of the four groups to choose elective courses in Third and Fourth semester.

Specialization

Group A: Industrial and Agriculture Economics

1. Industrial Economics
2. Agricultural Economics of India: Incentives & Decision Making
3. Entrepreneurship & Small Scale Business
4. Indian Agriculture-Markets, Institutions & Technology

Group B: Development Economics

1. Economic Development & Policy in India
2. Labour Economics
3. Comparative Economic Development
4. Urban Economics

Group C: Public Economics

1. Public Financial Administration
2. Environmental Economics
3. Applied Welfare Economics
4. Resource Economics

AMITY COLLEGE OF COMMERCE

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13046 Bachelor of Commerce (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2151	Financial Accounting-I	3	-	-	3
COM2101	Business Organization & Management	3	-	-	3
COM2102	Microeconomic Theory & Applications	3	-	-	3
COM2104	Principles of Marketing	3	-	-	3
Concentration Electives					3
COM2103	E-commerce	3	-	-	3
COM2130	Readings in Management	-	-	-	2
COM2131	Term Paper	-	-	-	2
COM2132	Project (with Presentation & Evaluation)	-	-	-	3
COM2133	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
COM2134	Study Abroad	-	-	-	3
Open Electives					9*+3
LAN2151	Foreign Language- I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies *	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2251	Financial Accounting-II	3	-	-	3
COM2201	Business Mathematics	3	1	-	4
COM2202	Business & Economic Laws	3	-	-	3
COM2205	Advertising Management	3	-	-	3
Concentration Electives					3
COM2204	Computer Applications in Business	3	-	1	3
COM2206	Analysis & Design of Business System	2	-	2	3
COM2207	Innovation & Creativity Management	3	-	-	3
COM2208	Human Values & Professional Ethics	3	-	-	3
COM2230	Readings in Management	-	-	-	2
COM2231	Term Paper	-	-	-	2
COM2232	Project(with Presentation &Evaluation)	-	-	-	3
COM2233	Workshop/ Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
COM2234	Study Abroad	-	-	-	3
Open Electives					5*+3
LAN2251	Foreign Language–II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2351	Corporate Accounting	3	-	-	3
COM2301	Statistical Methods in Research – I	3	-	-	3
COM2302	Corporate Law	3	-	-	3
COM2303	Human Resource Management	3	-	-	3
Concentration Electives					3
COM2304	Sales & Distribution Management	3	-	-	3
COM2305	Mergers & Acquisitions	3	-	-	3
COM2331	Term Paper(Evaluation)	-	-	-	2
COM2332	Project (with Presentation & Evaluation)	-	-	-	2
COM2333	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
COM2334	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language – III * French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *				
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2451	Financial Management	3	-	-	3

COM2401	Auditing	3	-	-	3
COM2402	Statistical Methods in Research – II	3	-	-	3
COM2403	Income Tax Law & Practice	3	-	-	3
Concentration Electives					3
COM2404	Business Information & Data Base System	2	1	-	3
COM2405	Personal Financial Planning	2	1	-	3
COM2431	Term Paper	-	-	-	2
COM2432	Project (with Presentation & Evaluation)	-	-	-	3
COM2433	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
COM2434	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language – IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

SUMMER INTERNSHIP

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2551	Cost Accounting	3	-	-	3
COM2501	Macro Economics	3	-	-	3
COM2535	Summer Internship Evaluation	-	-	-	6
Select any one of the specialization group					
Accounting					
COM2502	Accounting Theory	3	1	-	4
COM2503	Advanced Corporate Accounting	3	1	-	4
Taxation					
COM2504	Corporate Tax Law and Practice	3	1	-	4

COM2505	Business Taxation	3	1	-	4
Open Electives					4*+3
	Foreign Language – V*	2	-	-	2
LAN2551	French-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM2651	Management Accounting	3	-	-	3
COM2606	Security Analysis and Portfolio Management	3	-	-	3
COM2637	Dissertation	-	-	-	9
Student has to select the same group as selected in the Vth semester					
	Accounting				
COM2602	Advanced Accounts	3	1	-	4
COM2603	Advanced Cost Accounting	3	1	-	4
	Taxation				
COM2604	Indirect Taxes including GST	3	1	-	4
COM2605	Public Finance and Tax Practices	3	1	-	4
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

Compulsory*

13576 Master of Commerce (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM4101	Organization Theory & Behaviour	3	-	-	3
COM4102	Quantitative Techniques for Business Decisions	3	-	-	3
COM4103	Economic Analysis for Business	3	-	-	3
COM4104	Financial Management & Policy	3	-	-	3
COM4105	Auditing	3	-	-	3
COM4106	Computer Applications in Business	3	-	-	3
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM4201	Managerial Accounting	3	-	-	3
COM4202	Business Environment	3	-	-	3
COM4203	Corporate Accounting	3	-	-	3
COM4204	Marketing Management	3	-	-	3
COM4205	E-Commerce	2	1	-	3
COM4206	Human Resource Management	3	-	-	3
Open Electives					5

CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				23

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM4301	Corporate Law	3	-	-	3
COM4302	Cost Accounting	3	-	-	3
COM4303	Advance Business Statistics & Research Methodology	3	-	-	3
COM4304	Income Tax Law & Practice	3	-	-	3
COM4335	Summer Internship Evaluation	-	-	-	6
	Electives (Select any one group)				(3+3)
	Group I Accounting & Taxation				
COM4305	Tax Planning & Tax Management	3	-	-	3
COM4306	Management Control and Information System	3	-	-	3
	Group II Finance				
COM4307	Financial Market and Institutions	3	-	-	3
COM4308	Project Management & Financial Services	3	-	-	3
	Group III Marketing				
COM4309	International Marketing	3	-	-	3
COM4310	Advertising and Sales Management	3	-	-	3
	Group IV Human Resource Management				
COM4311	Human Resource Development	3	-	-	3
COM4312	Industrial Relations	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1

LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
COM4401	International Business	3	-	-	3
COM4402	Corporate Tax Planning	3	-	-	3
COM4403	Strategic Management	3	-	-	3
COM4404	Industrial Law	2	1	-	3
COM4437	Dissertation	-	-	-	6
	Electives (Student has to study the same group as opted in Sem III)				(3+3)
	Group I Accounting and Taxation				
COM4405	International Accounting	3	-	-	3
COM4406	Principles & Practice of Taxation & Indian Tax System	3	-	-	3
	Group II Finance				
COM4407	Security Analysis & Portfolio Management	3 3	- -	- -	3 3
COM4408	International Financial Management				
	Group III Marketing				
COM4409	Marketing Research	3	-	-	3
COM4410	Consumer Behaviour	3	-	-	3
	Group IV Human Resource Management				
COM4411	Training and Development	3	-	-	3
COM4412	Management of Transformation	3	-	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					26

AMITY INSTITUTE OF BEHAVIOURAL & ALLIED SCIENCES

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13407 B.Sc. Clinical Psychology (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2151	Introductory Psychology	2	1	-	3
PSY2101	Elementary Statistics	2	1	-	3
PSY2102	Experimental Psychology-I	2	1	-	3
PSY2103	Psychological Practical-I	-	-	6	3
Concentration Electives					3
PSY2104	System and Approaches in Psychology	2	1	-	3
PSY2105	Human Rights, Values and Ethics	2	1	-	3
PSY2130	Reading in Psychology	-	-	-	2
PSY2132	Project (with Presentation & Evaluation)	-	-	-	3
PSY2136	Article/ Feature Writing	-	-	-	1
Open Electives					7*+3
LAN2151	Foreign Language-I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2251	Abnormal Psychology	2	1	-	3
PSY2201	Advance Statistics	2	1	-	3
PSY2202	Experimental Psychology-II	2	1	-	3
PSY2203	Psychological Practical-II	-	-	6	3
Concentration Electives					3
PSY2204	Industrial Psychology	2	1	-	3
PSY2205	Organizational Behaviour	2	1	-	3
PSY2230	Readings in Psychology	-	-	-	2
PSY2232	Project (with Presentation & Evaluation)	-	-	-	3
PSY2236	Article/ Feature Writing	-	-	-	1
Open Electives					7*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SUMMER PROJECT-I THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2351	Basic Cognitive Psychology	2	1	-	3
PSY2301	Social Psychology	2	1	-	3
PSY2302	Psychological Practical-III	-	-	6	3
PSY2303	Health Psychology	2	1	-	3

PSY2335	Summer Project Evaluation-I	-	-	6	3
Concentration Electives					3
PSY2304	Sports Psychology	2	1	-	3
PSY2330	Readings in Psychology	-	-	-	2
PSY2331	Term paper	-	-	-	2
PSY2332	Project (with Presentation & Evaluation)	-	-	-	3
PSY2333	Workshop / Certification (Discipline Specific) (1 Credit per workshop)	-	-	-	1
PSY2336	Article/ Feature Writing	-	-	-	1
Open Electives					4*+3
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2451	Life Span Development	2	1	-	3
PSY2401	Personality	2	1	-	3
PSY2402	Psychological Practical-IV	-	-	6	3
PSY2403	Physiological Psychology	2	1	-	3
PSY2404	Advance Cognitive Process	2	1	-	3
Concentration Electives					3
PSY2405	Environmental Psychology	2	1	-	3
PSY2406	Applied Social Psychology	2	1	-	3
PSY2430	Readings in Psychology	-	-	-	2
PSY2431	Term paper	-	-	-	2
PSY2432	Project (with Presentation & Evaluation)	-	-	-	3

PSY2433	Workshop / Certification (Discipline Specific) (1 Credit per workshop)	-	-	-	1
PSY2436	Article/ Feature Writing	-	-	-	1
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SUMMER PROJECT-II FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2551	Psychometric Testing	2	1	-	3
PSY2501	Psychological Practical-V	-	-	6	3
PSY2502	Clinical Psychology	2	1	-	3
PSY2535	Summer Project Evaluation-II	-	-	-	6
Concentration Electives					3
PSY2503	Educational Psychology	2	1	-	3
PSY2504	Child Psychology	2	1	-	3
PSY2505	Scientific Research Paper-I	-	3	-	3
PSY2532	Project (with Presentation & Evaluation)	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language –V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				

CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual ,Society and Nations	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2651	Counselling Psychology	2	1	-	3
PSY2601	School Counseling	1	1	-	2
PSY2602	Psychological Practical-VI	-	-	6	3
PSY2637	Dissertation	-	-	-	9
Concentration Electives					3
PSY2603	Psychology of Children with Special Needs	2	1	-	3
PSY2604	Psychology of Exceptional and gifted Children	2	1	-	3
PSY2605	Scientific Research Paper-II	-	-	-	3
PSY2632	Project (with Presentation & Evaluation)	-	-	6	3
Open Electives					2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

*Compulsory

13069 B.A (Honors) Applied Psychology (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2151	Introductory Psychology	2	1	-	3
PSY2101	Elementary Statistics	2	1	-	3
PSY2102	Experimental Psychology-I	2	1	-	3
PSY2103	Psychological Practical-I	-	-	6	3
Concentration Electives					3
PSY2104	System and Approaches in Psychology	2	1	-	3
PSY2105	Human Rights, Values and Ethics	2	1	-	3
PSY2130	Readings in Psychology	-	-	-	2
PSY2132	Project (with Presentation & Evaluation)	-	-	-	3
PSY2136	Article/ Feature Writing	-	-	-	1
Open Electives					7*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
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PSY2251	Abnormal Psychology	2	1	-	3
PSY2201	Advance Statistics	2	1	-	3
PSY2202	Experimental Psychology-II	2	1	-	3
PSY2203	Psychological Practical-II	-	-	6	3
Concentration Electives					3
PSY2204	Industrial Psychology	2	1	-	3
PSY2205	Organizational Behaviour	2	1	-	3
PSY2230	Readings in Psychology	-	-	-	2
PSY2232	Project (with Presentation & Evaluation)	-	-	-	3
PSY2236	Article/ Feature Writing	-	-	-	1
Open Electives					7*+3
LAN2251	Foreign Language – II* French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies – II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

**SUMMER PROJECT-I
THIRD SEMESTER**

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2351	Basic Cognitive Psychology	2	1	-	3
PSY2301	Social Psychology	2	1	-	3
PSY2302	Psychological Practical-III	-	-	6	3
PSY2304	Sports Psychology	2	1	-	3
PSY2335	Summer Project Evaluation-I	-	-	6	3
Concentration electives					3
PSY2303	Health Psychology	2	1	-	3
PSY2330	Readings in Psychology	-	-	-	2
PSY2331	Term paper	-	-	-	2
PSY2332	Project (with Presentation & Evaluation)	-	-	-	3

PSY2333	Workshop / Certification (Discipline Specific) 1 Credit per workshop)	-	-	-	1
PSY2336	Article/ Feature Writing	-	-	-	1
Open Electives					4*+3
LAN2351	Foreign Language – III* French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2451	Life Span Development	2	1	-	3
PSY2401	Personality	2	1	-	3
PSY2402	Psychological Practical-IV	-	-	6	3
PSY2405	Environmental Psychology	2	1	-	3
PSY2406	Applied Social Psychology	2	1	-	3
Concentration Electives					3
PSY2403	Physiological Psychology	2	1	-	3
PSY2404	Advance Cognitive Process	2	1	-	3
PSY2430	Readings in Psychology	-	-	-	2
PSY2431	Term paper	-	-	-	2
PSY2432	Project (with Presentation & Evaluation)	-	-	-	3
PSY2433	Workshop / Certification (Discipline Specific) 1 Credit per workshop)	-	-	-	1
PSY2436	Article/ Feature Writing	-	-	-	1
Open Electives					4*+3

LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SUMMER PROJECT-II

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2551	Psychometric Testing	2	1	-	3
PSY2501	Psychological Practical-V	-	-	6	3
PSY2503	Educational Psychology	2	1	-	3
PSY2535	Summer Project Evaluation-II	-	-	-	6
Concentration Electives					3
PSY2502	Clinical Psychology	2	1	-	3
PSY2504	Child Psychology	2	1	-	3
PSY2505	Scientific Research Paper-I	-	3	-	3
PSY2532	Project (with Presentation & Evaluation)	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language –V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual , Society and Nations	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PSY2651	Counseling Psychology	2	1	-	3
PSY2601	School Counseling	1	1	-	2
PSY2602	Psychological Practical-VI	-	-	6	3
PSY2637	Dissertation (based on Applied Psychology)	-	-	-	9
Concentration Electives					3
PSY2605	Scientific Research Paper-II	-	-	-	3
PSY2606	Positive Psychology	2	1	-	3
PSY2607	Gender Psychology	2	1	-	3
PSY2632	Project (with Presentation & Evaluation)	-	-	6	3
Open Electives					2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

13033 M.A- Counselling Psychology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4101	History and Schools of Psychology	2	-	-	2
PSY4102	Cognitive Psychology	2	-	-	2
PSY4103	Advanced Social Psychology	3	-	-	3
PSY4104	Personality Theory	2	-	-	2
PSY4105	Parametric Statistical Method	3	-	-	3
PSY4106	Practicum - I	-	-	6	3
PSY4107	Field Practice-I	-	-	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French -I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese -I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4201	Psychopathology	3	-	-	3
PSY4202	Psychological Assessment and Diagnosis	3	-	-	3
PSY4203	Child Psychology	2	-	-	2
PSY4204	Non-Parametric Statistical Method	3	-	-	3

PSY4206	Positive Psychology	2	-	-	2
PSY4207	Practicum - II	-	-	6	3
PSY4208	Field Practice-II	-	-	-	4
PSY4209	Scientific Research Paper	-	1	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese -II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4301	Research Methods: Experimental Design	2	-	-	2
PSY4302	Psychotherapy	3	-	-	3
PSY4304	Counseling Psychology	3	-	-	3
PSY4308	Practicum-III	-	-	6	3
PSY4309	Field Practice-III	-	-	-	4
PSY4335	Summer Internship Evaluation	-	-	-	6
Concentration Electives					3
PSY4303	Clinical Psychology	3	-	-	3
PSY4305	Developmental Psychology	3	-	-	3
PSY4307	Educational Psychology	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Team	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4358	Japanese-III				

LAN4359	Hindi-III				
	TOTAL				28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4401	Research Methods: Non-Experimental Design	2	-	-	2
PSY4403	Advance and Applied Counselling Skills	1	1	-	2
PSY4412	Practicum-IV	-	-	6	3
PSY4413	Field Practice-IV	-	-	-	4
PSY4437	Dissertation*	-	-	-	6
Concentration Electives (Any One)					3
PSY4402	Mental Retardation	3	-	-	3
PSY4405	Childhood Pathology and Exceptional Children	3	-	-	3
PSY4409	Employee Counselling and Empowerment	3	-	-	3
PSY4410	Organizational Behaviour and Industrial Relations	3	-	-	3
PSY4411	Psychological Practices in Personnel & Human Resource Management	3	-	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
	TOTAL				22

Note:

*Students would initiate treatise work from the beginning of the third semester. The dissertation topic to be selected in the third semester and the evaluation would be done in the fourth semester.

13166 M.A - Applied Psychology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
PSY4109	Basic Psychological Processes	2	-	-	2
PSY4102	Cognitive Psychology	2	-	-	2
PSY4103	Advanced Social Psychology	3	-	-	3
PSY4104	Personality Theory	2	-	-	2
PSY4105	Parametric Statistical Method	3	-	-	3
PSY4106	Practicum-I	-	-	6	3
PSY4107	Field Practice-I	-	-	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
PSY4201	Psychopathology	3	-	-	3
PSY4202	Psychological Assessment & Diagnosis	3	-	-	3
PSY4210	Industrial-Organisational (I-O)	2	-	-	2

	Psychology				
PSY4204	Non-Parametric Statistical Methods	3	-	-	3
PSY4205	Health Psychology	2	-	-	2
PSY4207	Practicum-II	-	-	6	3
PSY4208	Field Practice-II	-	-	-	4
PSY4209	Scientific Research Paper	-	1	-	1
	Open Electives				5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				26

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
PSY4310	Applied Psychotherapy	3	-	-	3
PSY4311	Research Methods in Applied Psychology	2	-	-	2
PSY4312	Interviewing & Counselling Skills	2	-	-	2
PSY4308	Practicum-III	-	-	6	3
PSY4309	Field Practice-III	-	-	-	4
PSY4335	Summer Internship Evaluation	-	-	-	6
	Concentration Electives (any ONE paper)				3
PSY4313	Applied Psychophysiology & Biofeedback	3	-	-	3
PSY4314	Human Factors Psychology & Ergonomics	3	-	-	3
PSY4315	Forensic & Legal Psychology	3	-	-	3
PSY4316	Community Psychology	3	-	-	3
PSY4317	Psychological Practices in Personnel & Human Resource Management	3	-	-	3

Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
PSY4404	Rehabilitation Psychology	3	-	-	3
PSY4415	Psychometrics	2	-	-	2
PSY4412	Practicum-IV	-	-	6	3
PSY4413	Field Practice-IV	-	-	-	4
PSY4437	Dissertation	-	-	-	6
	Concentration Electives (any ONE paper)				3
PSY4409	Employee Counselling & Empowerment	3	-	-	3
PSY4416	Psychology of Selling, Marketing & Advertising	3	-	-	3
PSY4417	Psychology of Criminal Behaviour & Criminal Profiling	3	-	-	3
PSY4418	Occupational Health Psychology	3	-	-	3
PSY4419	Guidance & Counselling	3	-	-	3
	Open Electives				2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
	TOTAL				23

Note: Students would initiate treatise work from the beginning of the third semester. The dissertation topic to be selected in the third semester and the evaluation would be done in the fourth semester.

13408 M.Sc.- Clinical Psychology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4101	History and Schools of Psychology	2	-	-	2
PSY4102	Cognitive Psychology	2	-	-	2
PSY4103	Advanced Social Psychology	3	-	-	3
PSY4104	Personality Theory	2	-	-	2
PSY4105	Parametric Statistical Method	3	-	-	3
PSY4106	Practicum-I	-	-	6	3
PSY4107	Field Practice-I	-	-	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4201	Psychopathology	3	-	-	3
PSY4202	Psychological Assessment and Diagnosis	3	-	-	3
PSY4203	Child Psychology	2	-	-	2
PSY4204	Non-Parametric Statistical Method	3	-	-	3
PSY4205	Health Psychology	2	-	-	2
PSY4207	Practicum-II	-	-	6	3
PSY4208	Field Practice-II	-	-	-	4

PSY4209	Scientific Research Paper	-	1	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

**SUMMER INTERNSHIP
THIRD SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4301	Research Methods: Experimental Design	2	-	-	2
PSY4302	Psychotherapy	3	-	-	3
PSY4303	Clinical Psychology	3	-	-	3
PSY4308	Practicum – III	-	-	6	3
PSY4309	Field Practice-III	-	-	-	4
PSY4335	Summer Internship Evaluation	-	-	-	6
Concentration Electives					3
PSY4304	Counselling Psychology	3	-	-	3
PSY4305	Developmental Psychology	3	-	-	3
PSY4306	Neuro Psychology	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PSY4401	Research Methods: Non-Experimental Design	2	-	-	2
PSY4402	Mental Retardation	2	-	-	2
PSY4412	Practicum-IV	-	-	6	3
PSY4413	Field Practice-IV	-	-	-	4
PSY4437	Dissertation*	-	-	-	6
Concentration Electives (Any One)					3
PSY4404	Rehabilitation Psychology	3	-	-	3
PSY4405	Childhood Pathology and Exceptional Children	3	-	-	3
PSY4406	Psychotherapeutic Intervention in Clinical setting	3	-	-	3
PSY4407	Differential Diagnostic Techniques	3	-	-	3
PSY4408	Community Psychology and Intervention	3	-	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					22

Note:

*Students would initiate treatise work from the beginning of the third semester. The dissertation topic to be selected in the third semester and the evaluation would be done in the fourth semester

13202 Master of Social Work (MSW) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SCW4101	Social Work: History, Ideologies, Perspectives & Contemporary Concerns	3	-	-	3
SCW4102	Basics of Social Work	3	-	-	3
SCW4103	Work with Individuals & Families: Social Case Work	3	-	-	3
SCW4104	Working with Groups: Social Group Work	3	-	-	3
SCW4105	Research Methods in Social Work: Quantitative Approach	3	-	-	3
SCW4107	Field Work Practicum-I	-	2	4	4
SCW4108	Social Work Camp	-	-	-	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SCW4201	Social Policy & Social Welfare	3	-	-	3

	Administration				
SCW4202	Social Work with Communities	3	-	-	3
SCW4203	Project Formulation & Management	2	-	-	2
SCW4204	Community Organization & Social Action	3	-	-	3
SCW4205	Research Methods in Social Work: Qualitative Approach	3	-	-	3
SCW4206	Skill Based Project	-	-	-	1
SCW4207	Field Work Practicum-II	-	2	4	4
	Open Electives				5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				24

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SCW4302	Social Justice & Empowerment	3	-	-	3
SCW4303	Communication & Counselling	3	-	-	3
SCW4304	Field Work Practicum-III	-	2	4	4
SCW4335	Summer Internship Evaluation	-	-	-	6
	Concentration Electives (any TWO papers)				(3+3) 6
SCW4305	Human Resource Development & Employee Wellness	3	-	-	3
SCW4306	Mental Health & Psychiatric Social Work	3	-	-	3
SCW4307	Social Work with Families & Children	3	-	-	3
SCW4308	Correctional Administration & Services	3	-	-	3
SCW4309	Population & Environment	3	-	-	3

SCW4310	Management of Development & Welfare Services	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
Foreign Business Language-III		2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SCW4401	Human Rights & Social Work Practice	3	-	-	3
SCW4402	Gender & Development	2	-	-	2
SCW4403	Social Work with Urban, Rural & Tribal Communities	3	-	-	3
SCW4404	Field Work Practicum-IV	-	-	-	3
SCW4437	Dissertation	-	-	-	6
Concentration Electives (any TWO papers)					(3+3) 6
SCW4405	Industrial Relations & Labour Legislation	3	-	-	3
SCW4406	Rehabilitation & After Care Services	3	-	-	3
SCW4407	Social Work with PWD	3	-	-	3
SCW4408	Social Work with HIV/AIDS	3	-	-	3
SCW4409	Human Growth & Development	3	-	-	3
SCW4410	Disaster Management	3	-	-	3
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					25

Note: Students would initiate treatise work from the beginning of the third semester. The dissertation topic to be selected in the third semester and the evaluation would be done in the fourth semester.

AMITY INSTITUTE OF CLINICAL PSYCHOLOGY

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13109 M. Phil - Clinical Psychology (Total Credits-130)

Programme Structure-2021

FIRST YEAR

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
Group-A					
PSY5101	Psychosocial Foundation of Behaviour & Psychopathology	3	1	2	12
PSY5103	Psychiatry	3	1	2	12
PSY5104	Practical: Psychological Assessment including Viva-Voce	2	2	4	12
PSY5106	Statistics & Research Methodology	3	1	2	12
Group-B					
PSY5105	Submission of Psychodiagnostic Records	-	-	12	12
TOTAL					60

SECOND YEAR

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
Group-A					
PSY5301	Psychotherapy & Counselling	3	1	2	12
PSY5302	Behavioural Medicine	3	1	2	12
PSY5304	Practical: Psychological Therapies including Viva-Voce	2	2	4	12
PSY5306	Biological Foundation of Behaviour	3	1	2	12
Group-B					
PSY5305	Submission of Psychotherapy Records	-	-	12	12
Group-C					
PSY5337	Dissertation	-	-	-	10
TOTAL					70

* Note: This is an annual year programme which will be of 6 days per week.

AMITY SCHOOL OF HOSPITALITY

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PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13289 Bachelor of Hotel Management (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2101	Food Production Foundation-I	2	-	-	2
HMC2102	Food & Beverage Service Foundation-I	2	-	-	2
HMC2103	Front Office Foundation	2	-	-	2
HMC2104	Housekeeping Foundation	2	-	-	2
HMC2105	Application of Computers	1	-	-	1
HMC2106	Food Production Foundation Lab-I	-	-	6	3
HMC2107	Food & Beverage Service Foundation Lab-I	-	-	2	1
HMC2108	Front Office Foundation Lab	-	-	2	1
HMC2109	Housekeeping Foundation Lab	-	-	2	1
HMC2110	Application of Computers Lab	-	-	2	1
HMC2111	Field Work Project-I	-	-	-	2
Open Electives					(7+3)
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I	2	-	-	2
	Foreign Language – I*	3	-	-	3
LAN2151	French-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
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HMC2201	Food Production Foundation-II	2	-	-	2
HMC2202	Food & Beverage Service Foundation-II	2	-	-	2
HMC2203	Front Office Operation-I	2	-	-	2
HMC2204	Housekeeping Operation-I	2	-	-	2
HMC2205	Food Science & Nutrition	1	-	-	1
HMC2206	Fundamentals of Accounting-I	1	1	-	2
HMC2207	Food Production Foundation Lab-II	-	-	6	3
HMC2208	Food & Beverage Service Foundation Lab-II	-	-	2	1
HMC2209	Front Office Operation Lab-I	-	-	2	1
HMC2210	Housekeeping Operation Lab-I	-	-	2	1
HMC2211	Field Work Project-II	-	-	-	3
Open Electives					(7+3)
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Foreign Language – II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					30

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2301	Food Production Operations-I	2	-	-	2
HMC2302	Food & Beverage Service Operations-I	2	-	-	2
HMC2303	Front Office Operation-II	2	-	-	2
HMC2304	Housekeeping Operation-II	2	-	-	2
HMC2305	Food Safety & Hygiene	1	-	-	1
HMC2306	Fundamentals of Accounting-II	1	1	-	2
HMC2307	Hotel Engineering	1	-	-	1
HMC2308	Food Production Operations Lab-I	-	-	6	3
HMC2309	Food & Beverage Service Operations Lab-I	-	-	4	2

HMC2310	Front Office Operation Lab-II	-	-	2	1
HMC2311	Housekeeping Operation Lab-II	-	-	2	1
Open Electives					(4+3)
CSS2151	Effective Listening *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
LAN2351	Foreign Language – III *	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2401	Food Production Operations-II	2	-	-	2
HMC2402	Food & Beverage Service Operations-II	2	-	-	2
HMC2403	Front Office Management-I	2	-	-	2
HMC2404	Housekeeping Management-I	2	-	-	2
HMC2405	Hotel Information System	1	-	-	1
HMC2406	Principles of Management	1	-	-	1
HMC2407	Economics of Hospitality	1	-	-	1
HMC2408	Food Production Operations Lab-II	-	-	8	4
HMC2409	Food & Beverage Service Operations Lab-II	-	-	4	2
HMC2410	Front Office Management Lab	-	-	2	1
HMC2411	Housekeeping Management Lab	-	-	2	1
Open Electives					(4+3)
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1

LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2501	Food Production Training Report <ul style="list-style-type: none"> • Presentation • Viva Voce • Appraisal Report 	-	-	-	5
HMC2502	Food & Beverage Service Training Report <ul style="list-style-type: none"> • Presentation • Viva Voce • Appraisal Report 	-	-	-	5
HMC2503	Front Office Management Training Report <ul style="list-style-type: none"> • Presentation • Viva Voce • Appraisal Report 	-	-	-	5
HMC2504	Housekeeping Management Training Report <ul style="list-style-type: none"> • Presentation • Viva Voce • Appraisal Report 	-	-	-	5
TOTAL					20

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2601	Advanced Food Production Operations-I	2	-	-	2

HMC2602	Advanced Food & Beverage Service Operations-I	2	-	-	2
HMC2603	Front Office Management-II	2	-	-	2
HMC2604	Housekeeping Management-II	2	-	-	2
HMC2605	Introduction to Tourism	1	-	-	1
HMC2606	Hospitality Marketing	1	-	-	1
HMC2607	Managerial Accounting	1	-	-	1
HMC2608	Advanced Food Production Operations Lab-I	-	-	8	4
HMC2609	Advanced Food & Beverage Service Operations Lab-I	-	-	4	2
HMC2610	Front Office Management Lab-II	-	-	4	2
HMC2611	Housekeeping Management Lab-II	-	-	4	2
Open Electives					(2+3)
CSS2451	Corporate Communication *	1	-	-	1
BEH2652	Interpersonal Communication *	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2701	Advanced Food Production-II	2	-	-	2
HMC2702	Advanced Food & Beverage Service – II	2	-	-	2
HMC2703	Advanced Front Office Management	2	-	-	2
HMC2704	Accommodation Management	2	-	-	2
HMC2705	Facility Management, Planning & Design	1	-	-	1
HMC2706	Hospitality Law	1	-	-	1
HMC2707	Human Resource Management	1	-	-	1
HMC2708	Entrepreneurship Development	1	-	-	1
HMC2709	Event Management	1	-	-	1
HMC2710	Advanced Food Production Operations Lab-II	-	-	8	4
HMC2711	Advanced Food & Beverage Service Operations Lab-II	-	-	2	1

	Open Electives				(4+3)
CSS2551	Employability Skills *	1	-	-	1
BEH2751	Relationship Management *	1	-	-	1
LAN2551 LAN2552 LAN2553 LAN2554 LAN2555 LAN2556 LAN2557 LAN2558 LAN2559	Foreign Language – V* French-V German-V Spanish-V Russian-V Chinese-V Portuguese-V Korean-V Japanese-V Hindi-V	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
HMC2801	Basics of Revenue Management	2	-	-	2
HMC2802	Indian Heritage	2	-	-	2
HMC2803	Research Methodology	2	-	-	2
HMC2804	Specialization Course Lab (Any One) • Food Production • Food & Beverage Service • Front Office • House Keeping	-	-	8	4
HMC2805	GDPI Sessions	2	1	-	3
HMC2837	Research Project	-	-	-	12
	Open Electives				*4
CSS2651	Workplace Communication *	1	-	-	1
BEH2851	Personal & Professional Excellence *	1	-	-	1

LAN2651	Foreign Language – VI*	2	-	-	2
LAN2652	French-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
	Hindi-VI				
	TOTAL	-	-	-	29

13816 Bachelor of Tourism & Travel Mgmt. (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2101	Basics of Tourism Management	2	1	-	3
TRM2102	Indian Geography of Tourism	2	1	-	3
TRM2103	Cultural Tourism of India	2	1	-	3
TRM2104	Natural Tourism Products of India	2	1	-	3
TRM2105	Religious Tourism-I	2	-	-	2
TRM2106	Application of Computers	1	-	-	1
TRM2107	Application of Computers Lab	-	-	2	1
TRM2108	Field Work Project-I	-	-	-	3
Open Electives					(7+3)
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I	2	-	-	2
	Foreign Language-I*	3	-	-	3
LAN2151	French-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					29

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2201	Travel Agency and Tour Operator	2	1	-	3
TRM2202	World Geography of Tourism	2	1	-	3
TRM2203	Religious Tourism-II	2	-	-	2
TRM2204	International Tourism Business	2	1	-	3
TRM2205	Tourism Organizations	2	1	-	3

TRM2206	Historical Tourism Products of India	2	1	-	3
TRM2207	Fundamentals of Accounting-I	1	1	-	2
TRM2208	Field Work Project-II	-	-	-	3
Open Electives					(7+3)
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Foreign Language – II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					32

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2301	Tourism Trends in India	2	1	-	3
TRM2302	Transport Management	2	1	-	3
TRM2303	Hospitality Management in Tourism	2	1	-	3
TRM2304	Travel Documentation	2	1	-	3
TRM2305	Tour Packaging Management	2	1	-	3
TRM2306	Automation in Travel and Tourism	-	1	2	2
TRM2307	Fundamentals of Accounting-II	1	1	-	2
Open Electives					(4+3)
CSS2151	Effective Listening *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language – III *	2	-	-	2
LAN2351	French-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				

	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2401	Tourism Planning & Policy	2	1	-	3
TRM2402	Cargo Management	2	1	-	3
TRM2403	Itinerary Designing Management	2	1	-	3
TRM2404	Airline Operation Management	2	1	-	3
TRM2405	Management Information System	1	-	-	1
TRM2406	Principles of Management	1	-	-	1
TRM2407	Economics of Tourism	1	-	-	1
Open Electives					(4+3)
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2535	Industrial Training Project & Practicum <ul style="list-style-type: none"> • Presentation • Viva Voce • Appraisal Report 	-	-	-	20
	TOTAL	-	-	-	20

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2601	Eco-Tourism & Sustainable Tourism	2	1	-	3
TRM2602	Tourist Behaviour	2	1	-	3
TRM2603	Tourism & Hospitality Impacts	2	1	-	3
TRM2604	Sociology of Tourism	2	1	-	3
TRM2605	Managerial Accounting	1	-	-	1
TRM2606	Hospitality & Tourism Marketing	1	-	-	1
TRM2632	DMC Integrated Project	-	-	-	12
	Open Electives				(2+3)
CSS2451	Corporate Communication *	1	-	-	1
BEH2652	Interpersonal Communication *	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				31

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2701	Facility Management, Planning & Design	1	-	-	1
TRM2702	Tourism & Environmental Law	2	1	-	3
TRM2703	MICE Management	2	-	-	2
TRM2704	Destination Management	2	1	-	3
TRM2705	Tourism Technology & Media	2	1	-	3
TRM2706	Human Resource Management	1	-	-	1
TRM2707	Entrepreneurship Development	1	-	-	1
	Open Electives				(4+3)
CSS2551	Employability Skills *	1	-	-	1
BEH2751	Relationship Management *	1	-	-	1

LAN2551	Foreign Language – V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				21

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
TRM2801	Basics of Revenue Management	2	-	-	2
TRM2802	Research Methodology	2	-	-	2
TRM2803	Ethics in Hospitality & Tourism	2	1	-	3
TRM2804	GDPI Sessions	2	1	-	3
TRM2837	Research Project	-	-	-	15
	Open Electives				*4
CSS2651	Workplace Communication *	1	-	-	1
BEH2851	Personal & Professional Excellence *	1	-	-	1
LAN2651	Foreign Language – VI*	2	-	-	2
LAN2652	French-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
	Hindi-VI				
	TOTAL	-	-	-	29

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13055 B.Tech.- Aerospace Engineering (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2113	Engineering Mathematics-I	3	1	-	4
ASE2115	Engineering Chemistry	2	-	-	2
ASE2105	Introduction to Computers & Programming in C	2	1	-	3
ASE2118	Basics of Electrical & Electronics Engineering	2	1	-	3
ASE2120	Elements of Mechanical Engineering	3	-	-	3
ASE2110	Programming in C Lab	-	-	2	1
ASE2117	Engineering Chemistry Lab	-	-	2	1
ASE2119	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
ASE2121	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language – I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2209	Engineering Mathematics-II	3	1	-	4
ASE2210	Engineering Physics	2	1	-	3
ASE2215	Workshop Technology	2	-	-	2
ASE2216	Engineering Mechanics	2	1	-	3
ASE2212	Engineering Graphics Lab	-	-	4	2
ASE2214	Engineering Physics Lab	-	-	2	1
ASE2217	Workshop Practice	-	-	2	1
ASE2218	Engineering Mechanics Lab	-	-	2	1
Open Electives					9*
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian –II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2313	Engineering Mathematics-III	3	1	-	4
ASE2314	Engineering Thermodynamics	3	-	-	3

ASE2315	Strength of Materials	3	-	-	3
ASE2321	Introduction to Aerospace Engineering	3	-	-	3
ASE2322	Fluid Mechanics and Dynamics	3	-	-	3
ASE2317	Strength of Materials Lab	-	-	2	1
ASE2323	Fluid Mechanics and Dynamics Lab	-	-	2	1
Concentration Electives					2
ASE2324	Aircraft Manufacturing Processes	2	-	-	2
ASE2325	Measurement Techniques	2	-	-	2
ASE2326	Introduction to Heat Transfer	2	-	-	2
Open Electives					4*+3
CSS2151	Effective Listening	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian -III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2412	Numerical Analysis and Programming	2	-	-	2
ASE2415	Low Speed Aerodynamics	2	-	-	2
ASE2416	Aircraft Propulsion	3	-	-	3
ASE2417	Aerospace Structures-I	3	-	-	3
ASE2418	Introduction to Space Sciences	3	-	-	3
ASE2419	Low Speed Aerodynamics Lab	-	-	2	1

ASE2420	Aircraft Propulsion Lab	-	-	2	1
ASE2421	Numerical Analysis and Programming Lab using MATLAB	-	-	2	1
Concentration Electives					3
ASE2422	Fuels & Combustion	3	-	-	3
ASE2423	Control Systems	3	-	-	3
ASE2424	Mechatronics	3	-	-	3
Open Electives					4*+3
CSS2251	Presentation Skills	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2	-	-	2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian –IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2510	Turbomachinery	3	-	-	3
ASE2511	High Speed Aerodynamics	3	-	-	3
ASE2512	Aerospace Structures-II	3	-	-	3
ASE2513	Flight Mechanics	3	-	-	3
ASE2514	Computer Aided Drafting Lab	-	-	2	1
ASE2515	Structural Analysis Lab	-	-	2	1
ASE2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					2
ASE2516	Satellite Communication	2	-	-	2

ASE2517	Aircraft Systems and Instrumentation	2	-	-	2
ASE2518	Introduction to UAVs	2	-	-	2
Open Electives					4*+3
CSS2351	Reading & Comprehension	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian -V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)				
TOTAL					26

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2609	Aircraft Maintenance & Quality Assurance	3	-	-	3
ASE2613	Computational Fluid Dynamics	3	-	-	3
ASE2614	Aerospace Materials	2	-	-	2
ASE2651	Aircraft Stability & Control	3	-	-	3
ASE2612	Computational Fluid Dynamics Lab	-	-	2	1
ASE2615	Aeromodelling Lab	-	-	2	1
ASE2637	Minor Project	-	-	-	2
Concentration Electives					2
ASE2616	Introduction to Avionics	2	-	-	2
ASE2617	Propellant Technology	2	-	-	2
ASE2618	Finite Element Method	2	-	-	2
Open Electives					4*+3

CSS2451	Corporate Communication	1	-	-	1
BHE2652	Interpersonal Communication*	1	-	-	1
	Foreign Language – VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian -VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SUMMER INTERNSHIP-II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2702	Flight Dynamics	3	-	-	3
ASE2709	Aircraft Design	3	-	-	3
ASE2712	Principles of Helicopter Engineering	3	-	-	3
ASE2713	Vibration Engineering	2	-	-	2
ASE2714	Vibration Engineering Lab	-	-	2	1
ASE2735	Summer Internship Evaluation-II	-	-	-	3
ASE2737	Major Project	-	-	-	2
	Open Electives				4*+3
CSS2551	Employability Skills	1	-	-	1
BHE2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*				
LAN2770	French for Technology-VII	2	-	-	2
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian -VII				
LAN2755	Chinese-VII				

LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ASE2811	Spacecraft Propulsion	3	-	-	3
ASE2812	Aerospace Navigation, Guidance and Control	2	-	-	2
ASE2837	Project-Dissertation	-	-	-	6
	Concentration Electives				2
ASE2813	Aeroelasticity	2	-	-	2
ASE2814	Aerospace Industrial Management	2	-	-	2
ASE2815	Civil Aviation Requirements (CAR)	2	-	-	2
	Open Electives				2*+3
CSS2651	Workplace Communication	1	-	-	1
BHE2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				18

*Compulsory

13158 B.Tech.-Civil Engineering (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2113	Engineering Mathematics-I	3	1	-	4
CIV2114	Engineering Chemistry	2	-	-	2
CIV2104	Elements of Mechanical Engineering	3	-	-	3
CIV2105	Introduction to Computers & Programming in C	2	1	-	3
CIV2116	Basics of Electrical & Electronics Engineering	2	1	-	3
CIV2109	Elements of Mechanical Engineering Lab	-	-	2	1
CIV2110	Programming in C Lab	-	-	2	1
CIV2115	Engineering Chemistry Lab	-	-	2	1
CIV2117	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
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CIV2208	Engineering Mathematics-II	3	1	-	4
CIV2209	Engineering Physics	2	1	-	3
CIV2204	Engineering Mechanics	2	1	-	3
CIV2211	Workshop Technology	2	-	-	2
CIV2207	Engineering Mechanics Lab	-	-	2	1
CIV2210	Engineering Physics Lab	-	-	2	1
CIV2212	Workshop Practice	-	-	2	1
CIV2213	Engineering Graphics Lab	-	-	4	2
Open Electives					9*
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2305	Surveying-I	2	-	-	2
CIV2311	Engineering Mathematics-III	3	1	-	4
CIV2312	Strength of Materials	3	1	-	4
CIV2318	Building Construction & Concrete Technology	2	-	-	2
CIV2314	Strength of Materials Lab	-	-	2	1
CIV2319	Surveying Lab-I	-	-	2	1
CIV2320	Materials Testing Lab	-	-	2	1
Concentration Electives					3
CIV2315	Basics of Natural Resources Management	3	-	-	3
CIV2316	Disaster Management & Mitigation	3	-	-	3
CIV2321	Engineering Geology	3	-	-	3
Open Electives					4*+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				

LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2401	Numerical Analysis & Programming	3	-	-	3
CIV2402	Structural Analysis-I	3	-	-	3
CIV2411	Surveying-II	2	-	-	2
CIV2412	Fluid Mechanics	2	1	-	3
CIV2417	Geotechnical Engineering-I	3	-	-	3
CIV2405	Numerical Analysis and Programming Lab	-	-	2	1
CIV2407	Surveying Lab-II	-	-	2	1
CIV2413	Fluid Mechanics Lab	-	-	2	1
CIV2418	Geotechnical Engineering Lab	-	-	2	1
	Concentration Electives				3
CIV2414	Fluid Machinery	3	-	-	3
CIV2415	Hydrology & Flood Control	3	-	-	3
CIV2416	Remote Sensing & Geographic Information Systems	3	-	-	3
	Open Electives				4*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2			2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2501	Structural Analysis-II	2	1	-	3
CIV2513	Concrete Structural Design-I	3	-	-	3
CIV2514	Transportation Engineering-I	3	-	-	3
CIV2515	Geotechnical Engineering-II	3	-	-	3
CIV2509	Transportation Engineering Lab	-	-	2	1
CIV2516	Structural Analysis Lab	-	-	2	1
CIV2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					3
CIV2510	Sustainable Development in Civil Engineering	3	-	-	3
CIV2511	Air and Water Pollution & Control	3	-	-	3
CIV2512	Computer Application in Hydro Engineering	3	-	-	3
Open Electives					4*+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2601	Environmental Engineering-I	3	-	-	3
CIV2610	Water Resource Engineering-I	3	-	-	3
CIV2612	Concrete Structural Design-II	3	-	-	3
CIV2613	Transportation Engineering-II	3	-	-	3
CIV2637	Minor Project Work	-	-	-	2

Concentration Electives					2
CIV2607	Prestressed Concrete	2	-	-	2
CIV2608	Traffic Engineering & Management	2	-	-	2
CIV2611	Basics of Optimization Techniques & Mathematical Modeling	2	-	-	2
Open Electives					4*+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

SUMMER INTERNSHIP-II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2701	Structural Steel Design	3	-	-	3
CIV2702	Environmental Engineering-II	3	-	-	3
CIV2711	Water Resources Engineering-II	3	-	-	3
CIV2704	Environmental Engineering Lab	-	-	2	1
CIV2713	Structural Design Lab	-	-	2	1
CIV2735	Summer Internship Evaluation-II	-	-	-	3
CIV2737	Project Work	-	-	-	2
Open Electives					4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				

	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				23

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CIV2810	Estimation and Costing	3	-	-	3
CIV2837	Project-Dissertation	-	-	-	8
	Concentration Electives				3
CIV2803	Industrial Waste Engineering	3	-	-	3
CIV2808	Solid Waste Management & Recycling	3	-	-	3
CIV2809	Basics of Finite Element Method	3	-	-	3
	Open Electives				2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				19

*Compulsory

13052 B.Tech.- Computer Science Engg. (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2110	Engineering Mathematics-I	3	1	-	4
CSE2111	Engineering Physics	2	1	-	3
CSE2104	Introduction to Computers & Programming in C	2	1	-	3
CSE2114	Elements of Mechanical Engineering	3	-	-	3
CSE2107	Programming in C Lab	-	-	2	1
CSE2112	Engineering Physics Lab	-	-	2	1
CSE2115	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					9*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2211	Engineering Mathematics-II	3	1	-	4
CSE2212	Engineering Chemistry	2	-	-	2
CSE2216	Engineering Mechanics	2	1	-	3
CSE2217	Basics of Electrical & Electronics	2	1	-	3

	Engineering				
CSE2204	Object Oriented Programming using C++	2	1	-	3
CSE2208	Object Oriented Programming using C++ Lab	-	-	2	1
CSE2215	Engineering Chemistry Lab	-	-	2	1
CSE2218	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
CSE2219	Engineering Graphics Lab	-	-	4	2
	Open Electives				5*
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	TOTAL				25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2302	Database Management Systems	3	1	-	4
CSE2303	Operating Systems	3	-	-	3
CSE2304	Data Structures using C	3	1	-	4
CSE2314	Digital Electronics	2	-	-	2
CSE2305	Data Structures Using C Lab	-	-	2	1
CSE2307	Database Management Systems Lab	-	-	2	1
CSE2308	UNIX Programming Lab	-	-	2	1
CSE2315	Digital Electronics Lab	-	-	2	1
	Concentration Electives				3
CSE2310	Electronic Devices & Circuits	2	-	-	2
CSE2311	Electronic Devices & Circuits Lab	-	-	2	1
CSE2312	E-Commerce & ERP	3	-	-	3
CSE2316	Statistics & Probability Concepts	3	-	-	3
	Open Electives				4*+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2

LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2403	Discrete Mathematics	3	-	-	3
CSE2412	Artificial Intelligence	3	-	-	3
CSE2418	Analysis & Design of Algorithm	3	-	-	3
CSE2419	Data Communication & Computer Networks	3	-	-	3
CSE2413	Artificial Intelligence Lab	-	-	2	1
CSE2420	Data Communication & Computer Networks Lab	-	-	2	1
CSE2421	Analysis & Design of Algorithm Lab	-	-	2	1
	Concentration Electives				3
CSE2410	Artificial Neural Network	2	-	-	2
CSE2411	Artificial Neural Network Lab	-	-	2	1
CSE2414	Communication Systems	2	-	-	2
CSE2415	Communication Systems Lab	-	-	2	1
CSE2422	Web Designing Technologies	2	-	-	2
CSE2423	Web Designing Technologies Lab	-	-	2	1
	Open Electives				4*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language – IV*	2	-		2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				

LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2502	Computer Architecture	3	-	-	3
CSE2503	Java Programming	3	-	-	3
CSE2515	Microprocessor	2	1	-	3
CSE2516	Theory of Automata & Computation	3	-	-	3
CSE2505	Java Programming Lab	-	-	2	1
CSE2517	Microprocessor Lab	-	-	2	1
CSE2535	Summer Internship Evaluation-I	-	-	-	3
	Concentration Electives (Select any one)				3
CSE2506	VHDL Programming	2	-	-	2
CSE2507	VHDL Programming Lab	-	-	2	1
CSE2514	Fuzzy Logic & Genetic Algorithm	3	-	-	3
CSE2518	Advanced Web Designing Technologies	2	-	-	2
CSE2519	Advanced Web Designing Technologies Lab	-	-	2	1
	Open Electives				4*+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2604	Advanced Java Programming	3	-	-	3
CSE2613	Software Engineering	3	-	-	3
CSE2614	Internet of Things & Wireless Sensor Networks	3	-	-	3
CSE2608	Advanced Java Programming Lab	-	-	2	1
CSE2615	Software Engineering Lab	-	-	2	1
CSE2637	Minor Project-I	-	-	-	2
Concentration Electives (Select any one/one set)					3
CSE2610	VLSI Design	2	-	-	2
CSE2611	VLSI Design Lab	-	-	2	1
CSE2616	Open Source Technologies	2	-	-	2
CSE2617	Open Source Technologies Lab	-	-	2	1
CSE2618	Data Mining	3	-	-	3
Open Electives					4*+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

SUMMER INTERNSHIP-II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2710	Computer Graphics	3	-	-	3
CSE2713	Cryptography & Network Security	2	1	-	3
CSE2714	System Programming & Compiler Construction	3	-	-	3
CSE2712	Computer Graphics Lab	-	-	2	1

CSE2715	Network Security Lab	-	-	2	1
CSE2716	System Programming & Compiler Lab	-	-	2	1
CSE2735	Summer Internship Evaluation-II	-	-	-	3
CSE2737	Minor Project-II	-	-	-	2
Concentration Electives-I (Select any one/one set)					3
CSE2707	Mobile Computing	3	-	-	3
CSE2717	Robotic Process Automation Design & Development	3	-	-	3
CSE2718	Responsive Web Design	2	-	-	2
CSE2719	Responsive Web Design Lab	-	-	2	1
Open Electives					4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE2837	Project-Dissertation	-	-	-	8
Concentration Electives					3
CSE2803	Digital Image Processing	2	-	-	2
CSE2805	Digital Image Processing Lab	-	-	2	1
CSE2804	Dot Net Programming	2	-	-	2
CSE2806	Dot Net Programming Lab	-	-	2	1
CSE2812	Advance Robotic Process Automation Design & Development	3	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					16

*Compulsory

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2112	Engineering Mathematics-I	3	1	-	4
ECE2114	Engineering Chemistry	2	-	-	2
ECE2104	Elements of Mechanical Engineering	3	-	-	3
ECE2105	Introduction to Computers & Programming in C	2	1	-	3
ECE2117	Basics of Electrical & Electronics Engineering	2	1	-	3
ECE2109	Elements of Mechanical Engineering Lab	-	-	2	1
ECE2110	Programming in C Lab	-	-	2	1
ECE2116	Engineering Chemistry Lab	-	-	2	1
ECE2118	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I *	1			1
BEH2151	Understanding Self for Effectiveness*	1			1
	Foreign Language-I*	3			3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2209	Engineering Mathematics-II	3	1	-	4
ECE2210	Engineering Physics	2	1	-	3

ECE2203	Object Oriented Programming using C++	2	1	-	3
ECE2204	Engineering Mechanics	2	1	-	3
ECE2206	Object Oriented Programming using C++ Lab	-	-	2	1
ECE2208	Engineering Graphics Lab	-	-	4	2
ECE2211	Engineering Physics Lab	-	-	2	1
Open Electives					9*
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2310	Engineering Mathematics-III	3	1	-	4
ECE2302	Analog Electronics-I	3	-	-	3
ECE2303	Circuits & Systems	2	1	-	3
ECE2311	Data Structure using C	3	-	-	3
ECE2305	Analog Electronics- I Lab	-	-	2	1
ECE2306	Circuits & Systems Lab	-	-	2	1
ECE2312	Data Structure using C Lab	-	-	2	1
Concentration Electives					3
ECE2313	Virtual Instrumentation	2	-	-	2
ECE2314	Virtual Instrumentation Lab	-	-	2	1
ECE2315	Measurement & Measuring Instruments	2	-	-	2
ECE2316	Measurement & Measuring Instruments Lab	-	-	2	1
ECE2317	Statistics & Probability Concepts	3	-	-	3
Open Electives					*4+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				

LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2402	Communication Systems	3	-	-	3
ECE2403	Analog Electronics-II	3	-	-	3
ECE2404	Electromagnetic Field Theory	3	-	-	3
ECE2411	Digital Electronics	2	1	-	3
ECE2417	Signals & Systems	2	1	-	3
ECE2406	Communication Systems Lab	-	-	2	1
ECE2407	Analog Electronics- II Lab	-	-	2	1
ECE2412	Digital Electronics Lab	-	-	2	1
	Concentration Electives				3
ECE2414	PCB Fabrications	2	-	-	2
ECE2418	Electronic Workshop & PCB Lab	-	-	2	1
ECE2415	Database Management Systems	2	-	-	2
ECE2416	Database Management Systems Lab	-	-	2	1
ECE2419	Java Programming	2	-	-	2
ECE2420	Java Programming Lab	-	-	2	1
ECE2421	Artificial Neural Network	2	-	-	2
ECE2422	Artificial Neural Network Lab	-	-	2	1
	Open Electives				*4+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language – IV*	2	-	-	2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2501	Digital Circuits & Systems	3	-	-	3
ECE2502	Digital Communications	2	-	-	2
ECE2503	Control Systems	2	1	-	3
ECE2509	Microprocessor Systems	3	-	-	3
ECE2504	Digital Circuits & Systems Lab	-	-	2	1
ECE2505	Microprocessor Systems Lab	-	-	2	1
ECE2506	Control Systems Lab	-	-	2	1
ECE2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					3
ECE2507	Operating System	3	-	-	3
ECE2508	Computer Architecture	3	-	-	3
ECE2512	Nano Electronics	3	-	-	3
ECE2513	Computer Networks	3	-	-	3
ECE2514	Fuzzy Logic & Genetic Algorithm	3	-	-	3
Open Electives					*4+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2601	VLSI Design	3	-	-	3
ECE2602	Digital Signal Processing	2	1	-	3
ECE2615	Antenna and Microwave Engineering	3	-	-	3
ECE2616	Antenna and Microwave Engineering Lab	-	-	2	1
ECE2605	VLSI Design Lab	-	-	2	1

ECE2609	Digital Signal Processing Lab	-	-	2	1
ECE2637	Minor Project	-	-	-	2
Concentration Electives					3
ECE2607	Advanced Java Programming	2	-	-	2
ECE2610	Advanced Java Programming Lab	-	-	2	1
ECE2613	Embedded System	2	-	-	2
ECE2614	Embedded System Lab	-	-	2	1
ECE2617	IOT and Wireless Sensor Network	3	-	-	3
ECE2618	Data Mining	3	-	-	3
Open Electives					*4+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

SUMMER INTERNSHIP-II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2719	Radar & Satellite Communication	3	-	-	3
ECE2720	Advanced Mobile Communication	2	-	-	2
ECE2721	Embedded System with ARM Processors	2	-	-	2
ECE2722	Radar & Satellite Communication Lab	-	-	2	1
ECE2723	Python Lab	-	-	2	1
ECE2735	Summer Internship Evaluation-II	-	-	-	3
Concentration Electives-I					3
ECE2706	Optical Communications	2	-	-	2
ECE2716	Optical Communications Lab	-	-	2	1
ECE2712	Digital Image Processing	2	-	-	2
ECE2713	Digital Image Processing Lab	-	-	2	1
ECE2724	Robotic Process Automation Design & Development	2	-	-	2
ECE2725	Robotic Process Automation Design & Development Lab	-	-	2	1
ECE2726	Probability Theory & Statistics	3	-	-	3

Concentration Electives-II					2
ECE2718	Independent Study	2	-	-	2
ECE2731	Term Paper	2	-	-	2
ECE2732	Project (With Presentation & Evaluation)	2	-	-	2
Open Electives					*4+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
ECE2837	Project (Dissertation)	-	-	-	8
Concentration Electives					3
ECE2805	RTOS Programming	3	-	-	3
ECE2806	Verilog Programming	2	-	-	2
ECE2813	Verilog Programming Lab	-	-	2	1
ECE2812	Advanced VLSI Design	3	-	-	3
ECE2814	Power Electronics	3	-	-	3
ECE2815	Information Theory and Coding	3	-	-	3
ECE2816	Advanced Robotic Process Automation Design & Development	2	-	-	2
ECE2817	Advanced Robotic Process Automation Design & DevelopmentLab	-	-	2	1
ECE2818	Wireless Communication	3	-	-	3
Open Electives					*2+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					16

* Compulsory

13399 B.Tech.-Biomedical Engineering (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2112	Engineering Mathematics-I	3	1	-	4
BME2114	Engineering Chemistry	2	-	-	2
BME2104	Introduction to Computers & Programming in C	2	1	-	3
BME2106	Elements of Mechanical Engineering	3	-	-	3
BME2117	Basics of Electrical & Electronics Engineering	2	1	-	3
BME2109	Programming in C Lab	-	-	2	1
BME2111	Elements of Mechanical Engineering Lab	-	-	2	1
BME2116	Engineering Chemistry Lab	-	-	2	1
BME2118	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2210	Engineering Mathematics-II	3	1	-	4
BME2211	Engineering Physics	2	1	-	3
BME2203	Engineering Mechanics	3	-	-	3
BME2204	Biology for Engineers	2	-	-	2
BME2205	Object Oriented Programming using C++	2	1	-	3
BME2208	Engineering Graphics Lab	-	-	4	2
BME2209	Object Oriented Programming using C++ Lab	-	-	2	1
BME2212	Engineering Physics Lab	-	-	2	1
Open Electives					9*
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					28

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2302	Analog Electronics-I	3	-	-	3
BME2303	Circuits & Systems	2	1	-	3
BME2310	Engineering Mathematics-III	3	-	-	3
BME2314	Medical Imaging Techniques-I	3	-	-	3
BME2351	Human Anatomy and Physiology	3	-	-	3
BME2306	Analog Electronics Lab-I	-	-	2	1
BME2315	Computer Aided Graphic Design Lab	-	-	2	1
Concentration Electives (Any one set/ Subject)					3
BME2316	Measurement & Measuring Instruments	2	-	-	2
BME2317	Measurement & Measuring Instruments Lab	-	-	2	1
BME2318	Virtual Instrumentation	2	-	-	2
BME2319	Virtual Instrumentation Lab	-	-	2	1
BME2320	Statistics & Probability Concepts	3	-	-	3
Open Electives					4*+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2408	Digital Electronics	2	1	-	3
BME2412	Biomaterials	3	-	-	3
BME2413	Signals and Systems	2	1	-	3
BME2451	Bio-Instrumentation	3	-	-	3
BME2403	Bio-Instrumentation Lab	-	-	2	1
BME2409	Digital Electronics Lab	-	-	2	1
BME2414	Signals and Systems Lab	-	-	2	1
Concentration Electives					4
BME2407	Analog Electronics-II	3	-	-	3
BME2417	Analog Electronics Lab-II	-	-	2	1
BME2415	Biochemistry	3	1	-	4
BME2416	Medical Imaging Techniques-II	3	1	-	4
BME2418	Artificial Neural Network	2	1	-	3
BME2419	Artificial Neural Network Lab	-	-	2	1
Open Electives					4*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2	-		2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SUMMER INTERNSHIP –I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2501	Microprocessor Systems	3	-	-	3
BME2513	Medical Image Processing	3	-	-	3
BME2514	Machine Learning	3	-	-	3
BME2504	Microprocessor Systems Lab	-	-	2	1
BME2515	Machine Learning Lab	-	-	2	1
BME2516	Medical Image Processing Lab	-	-	2	1
BME2535	Summer Internship Evaluation-I	-	-	-	3
	Concentration Electives				4
BME2503	Control Systems	2	1	-	3
BME2512	Control Systems Lab	-	-	2	1
BME2507	Digital Circuits and Systems	3	-	-	3
BME2509	Digital Circuits and Systems Lab	-	-	2	1
BME2517	Data Structure with C++	3	-	-	3
BME2518	Data Structure with C++ Lab	-	-	2	1
BME2519	Fuzzy Logic and Genetic Algorithm	3	1	-	4
	Open Electives				4*+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				

	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2601	Microcontroller and its Biomedical Applications	3	1	-	4
BME2608	Medical Imaging and Reconstruction Algorithms	3	1	-	4
BME2651	Biomechanics	3	-	-	3
BME2609	Clinical Need Assessment and Mini Project	-	-	4	2
BME2610	Medical Imaging and Reconstruction Algorithms Lab	-	-	2	1
	Concentration Electives				3
BME2607	Hospital Management System	3	-	-	3
BME2611	Therapeutic and Surgical Equipment	3	-	-	3
BME2612	Data Mining	3	-	-	3
	Open Electives				4*+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SUMMER INTERNSHIP –II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2710	Embedded System with Recent Technology	2	-	-	2
BME2711	Artificial Organs and Rehabilitation Engineering	3	-	-	3
BME2712	Clinical Electrical Safety Hazards	2	-	-	2
BME2713	Biomechanics Simulation Lab	-	-	2	1
BME2714	Embedded System with Recent Technology Lab	-	-	2	1
BME2735	Summer Internship Evaluation-II	-	-	-	3
BME2737	Project Dissertation-I	-	-	-	2
Concentration Electives					3
BME2715	Clinical Sciences	3	-	-	3
BME2716	Neural Network and Fuzzy Logic	3	-	-	3
BME2717	Virtual Reality	3	-	-	3
BME2718	Robotic Process Automation Design & Development	3	-	-	3
Open Electives					4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BME2837	Project Dissertation-II	-	-	-	8
	Concentration Electives				3
BME2802	Introduction to Medical Physics	3	-	-	3
BME2803	Medical Informatics	3	-	-	3
BME2804	Recent Advancement in Biomedical Modalities	3	-	-	3
BME2805	Advanced Robotic Process Automation Design & Development	3	-	-	3
	Open Electives				2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				16

*Compulsory

13998 B.Tech.-Mechanical Engineering (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2112	Engineering Mathematics-I	3	1	-	4
MAE2113	Engineering Chemistry	2	-	-	2
MAE2104	Elements of Mechanical Engineering	3	-	-	3
MAE2105	Introduction to Computers & Programming in C	2	1	-	3
MAE2116	Basics of Electrical & Electronics Engineering	2	1	-	3
MAE2109	Elements of Mechanical Engineering Lab	-	-	2	1
MAE2110	Programming in C Lab	-	-	2	1
MAE2114	Engineering Chemistry Lab	-	-	2	1
MAE2117	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2209	Engineering Mathematics-II	3	1	-	4
MAE2210	Engineering Physics	2	1	-	3
MAE2204	Engineering Mechanics	2	1	-	3
MAE2212	Workshop Technology	2	-	-	2
MAE2207	Engineering Mechanics Lab	-	-	2	1
MAE2208	Engineering Graphics Lab	-	-	4	2
MAE2211	Engineering Physics Lab	-	-	2	1
MAE2213	Workshop Practice	-	-	2	1
Open Electives					9*
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language – II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2301	Kinematics of Machines	3	1	-	4
MAE2303	Material Science & Metallurgy	3	-	-	3
MAE2317	Engineering Thermodynamics	2	1	-	3
MAE2318	Strength of Materials	3	1	-	4

MAE2306	Machine Drawing Lab	-	-	2	1
MAE2319	Strength of Materials Lab	-	-	2	1
Concentration Electives					3
MAE2314	Renewable Energy & Energy Management	3	-	-	3
MAE2320	Maintenance Engineering	3	-	-	3
MAE2321	Welding Technology	3	-	-	3
MAE2322	Statics and Probability Concepts	3	-	-	3
Open Electives					4*+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2401	Dynamics of Machines	3	1	-	4
MAE2413	Fluid Mechanics	2	1	-	3
MAE2419	Machine Tool Technology	3	-	-	3
MAE2420	Applied Thermodynamics	3	-	-	3
MAE2415	Fluid Mechanics Lab	-	-	2	1
MAE2421	Kinematics & Dynamics of Machines Lab	-	-	2	1
MAE2422	Machine Tool Technology Lab	-	-	2	1
Concentration Electives					3
MAE2408	Numerical Analysis & Programming	2	-	-	2
MAE2409	Numerical Analysis & Programming Lab	-	-	2	1

MAE2416	Gas Turbines	3	-	-	3
MAE2423	Tribology	3	-	-	3
MAE2424	Artificial Neural Network	2	-	-	2
MAE2425	Artificial Neural Network Lab	-	-	2	1
Open Electives					4*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2	-	-	2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2501	Machine Design-I	3	-	-	3
MAE2502	Heat Transfer	3	-	-	3
MAE2513	Mechanical Measurements	3	-	-	3
MAE2507	Heat Transfer Lab	-	-	2	1
MAE2514	Mechanical Measurements Lab	-	-	2	1
MAE2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					3
MAE2511	Operations Research	3	-	-	3
MAE2515	Solar Energy	3	-	-	3
MAE2516	Supply Chain Management	3	-	-	3
MAE2517	Fuzzy Logic and Genetic Algorithm	3	-	-	3
Open Electives					4*+3
CSS2351	Reading & Comprehension*	1	-	-	1

BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2602	Machine Design-II	3	-	-	3
MAE2611	Fluid Machinery	2	1	-	3
MAE2612	Internal Combustion Engines	3	-	-	3
MAE2620	Industrial Engineering	3	-	-	3
MAE2613	Fluid Machinery Lab	-	-	2	1
MAE2614	Internal Combustion Engines Lab	-	-	2	1
MAE2637	Minor Project	-	-	-	2
	Concentration Electives				3
MAE2608	Computer Integrated Manufacturing System	3	-	-	3
MAE2615	Vibration Engineering	2	-	-	2
MAE2616	Vibration Engineering Lab	-	-	2	1
MAE2618	Computer Aided Design	2	-	-	2
MAE2619	Computer Aided Design Lab	-	-	2	1
MAE2621	Data Mining	3	-	-	3
	Open Electives				4*+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				

LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SUMMER INTERNSHIP –II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2701	Computer Aided Manufacturing	3	-	-	3
MAE2707	Automotive Engineering	3	-	-	3
MAE2713	Control Theory and Applications	3	-	-	3
MAE2703	Computer Aided Manufacturing Lab	-	-	2	1
MAE2708	Automotive Engineering Lab	-	-	2	1
MAE2735	Summer Internship Evaluation-II	-	-	-	3
	Concentration Electives				2
MAE2712	Independent Study	-	-	-	2
MAE2731	Term Paper	-	-	-	2
MAE2732	Project	-	-	-	2
MAE2714	Robotic Process Automation Design & Development	2	-	-	2
	Open Electives				4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				

LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				23

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MAE2801	Refrigeration & Air-conditioning	3	-	-	3
MAE2802	Refrigeration & Air-conditioning Lab	-	-	2	1
MAE2837	Major Project	-	-	-	8
	Concentration Electives				3
MAE2805	Artificial Intelligence & Robotics	3	-	-	3
MAE2809	Computational Fluid Dynamics	2	-	-	2
MAE2810	Computational Fluid Dynamics Lab	-	-	2	1
MAE2811	Power Plant Engineering	3	-	-	3
MAE2812	Flexible Manufacturing System	3	-	-	3
MAE2813	Advanced Robotic Process Automation Design & Development	3	-	-	3
	Open Electives				2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				20

* Compulsory

13246 B.Tech.-Electrical and Electronics Engineering (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2112	Engineering Mathematics-I	3	1	-	4
EEE2114	Engineering Chemistry	2	-	-	2
EEE2117	Basics of Electrical & Electronics Engineering	2	1	-	3
EEE2104	Elements of Mechanical Engineering	3	-	-	3
EEE2105	Introduction to Computers & Programming in C	2	1	-	3
EEE2108	Elements of Mechanical Engineering Lab	-	-	2	1
EEE2110	Programming in C Lab	-	-	2	1
EEE2116	Engineering Chemistry Lab	-	-	2	1
EEE2118	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2209	Engineering Mathematics-II	3	1	-	4
EEE2210	Engineering Physics	2	1	-	3
EEE2203	Object Oriented Programming using C++	2	1	-	3
EEE2204	Engineering Mechanics	2	1	-	3
EEE2206	Object Oriented Programming using C++ Lab	-	-	2	1
EEE2208	Engineering Graphics Lab	-	-	4	2
EEE2211	Engineering Physics Lab	-	-	2	1
	Open Electives				9*
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	TOTAL				26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2308	Engineering Mathematics-III	3	1	-	4
EEE2302	Analog Electronics-I	3	-	-	3
EEE2303	Circuits & Systems	2	1	-	3
EEE2305	Analog Electronics - I Lab	-	-	2	1
EEE2306	Circuits & Systems Lab	-	-	2	1
Concentration Electives					3
EEE2309	Data Structure using C	2	-	-	2
EEE2310	Data Structure using C Lab	-	-	2	1
EEE2311	Virtual Instrumentation	2	-	-	2
EEE2312	Virtual Instrumentation Lab	-	-	2	1
EEE2313	Electrical Engineering Materials	3	-	-	3
EEE2314	Statistics & Probability Concepts	3	-	-	3
Open Electives					*4+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2402	Electric Machine-I	2	1	-	3

EEE2403	Electromagnetic Field Theory	3	-	-	3
EEE2408	Analog Electronics-II	3	-	-	3
EEE2412	Digital Electronics	3	-	-	3
EEE2416	Signals & Systems	2	1	-	3
EEE2406	Electric Machine Lab-I	-	-	2	1
EEE2409	Analog Electronics Lab-II	-	-	2	1
EEE2413	Digital Electronics Lab	-	-	2	1
Concentration Electives					3
EEE2411	Power Plant Practices	3	-	-	3
EEE2417	Communication Systems	3	-	-	3
EEE2414	Database Management Systems	2	-	-	2
EEE2415	Database Management Systems Lab	-	-	2	1
EEE2418	Artificial Neural Network	2	-	-	2
EEE2419	Artificial Neural Network Lab	-	-	2	1
Open Electives					*4+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2	-	-	2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SUMMER INTERNSHIP-I

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2501	Digital Circuits & Systems	3	-	-	3
EEE2502	Microprocessor Systems	3	-	-	3
EEE2503	Power System-I	2	1	-	3

EEE2509	Control System	2	1	-	3
EEE2505	Digital Circuits & Systems Lab	-	-	2	1
EEE2506	Microprocessor Systems Lab	-	-	2	1
EEE2510	Control System Lab	-	-	2	1
EEE2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					3
EEE2507	Biomedical Instrumentation	3	-	-	3
EEE2512	Fuzzy Logic & Genetic Algorithm	3	-	-	3
Open Electives					*4+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language-V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2601	Power System-II	3	-	-	3
EEE2602	Electric Machine-II	3	-	-	3
EEE2603	Electric Power Generation, Transmission & Distribution-I	3	-	-	3
EEE2608	Modern & Digital Control Engineering	3	-	-	3
EEE2604	Power System Lab	-	-	2	1
EEE2605	Electric Machine-II Lab	-	-	2	1
EEE2637	Minor Project	-	-	-	2
Concentration Electives					3
EEE2606	Utilization of Electric Energy	2	1	-	3
EEE2607	Substation Engineering	3	-	-	3

EEE2609	Digital Signal Processing	2	-	-	2
EEE2610	Digital Signal Processing Lab	-	-	2	1
EEE2611	Data Mining	3	-	-	3
	Open Electives				*4+3
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SUMMER INTERNSHIP- II

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2701	Electric Power Transmission & Distribution-II	3	-	-	3
EEE2702	Measurement & Measuring Instruments	2	1	-	3
EEE2703	Measurement & Measuring Instruments Lab	-	-	2	1
EEE2735	Summer Internship Evaluation-II	-	-	-	3
	Concentration Electives				3
EEE2704	Software Engineering	2	-	-	2
EEE2708	Software Engineering Lab	-	-	2	1
EEE2707	C based Embedded System Design	2	-	-	2
EEE2711	C based Embedded System Design Lab	-	-	2	1
EEE2713	Electrical System Design	3	-	-	3
EEE2714	Robotic Process Automation Design & Development	2	-	-	2

EEE2715	Robotic Process Automation Design & Development Lab	-	-	2	1
Concentration Electives					2
EEE2712	Independent Study	-	-	-	2
EEE2731	Term Paper	-	-	-	2
EEE2732	Project (With Presentation & Evaluation)	-	-	-	2
Open Electives					*4+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
EEE2801	Power Electronics	3	-	-	3
EEE2837	Project (Dissertation)	-	-	-	8
Concentration Electives					3
EEE2802	High Voltage Engineering	3	-	-	3
EEE2803	Nuclear Power Engineering	3	-	-	3
EEE2804	Thermal Power Engineering	3	-	-	3
EEE2805	Hydro Power Engineering	3	-	-	3
EEE2806	Solar Engineering	3	-	-	3
EEE2807	Process & Machine Technology	3	-	-	3
EEE2808	Advanced Robotic Process Automation Design & Development	2	-	-	2

EEE2809	Advanced Robotic Process Automation Design & Development Lab	-	-	2	1
EEE2810	Electrical Drives	3	-	-	3
	Open Electives				*2+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				19

***Compulsory**

**131325 B.Tech. (Artificial Intelligence & Machine Learning)
(Total Credits-195)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2101	Engineering Mathematics-I	3	1	-	4
MLE2102	Engineering Physics	2	1	-	3
MLE2103	Introduction to Computers & Programming in C	2	1	-	3
MLE2104	Elements of Mechanical Engineering	3	-	-	3
MLE2105	Engineering Physics Lab	-	-	2	1
MLE2106	Programming in C Lab	-	-	2	1
MLE2107	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					*9
CSS2152	English-I	1	-	-	1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2201	Engineering Mathematics-II	3	1	-	4
MLE2202	Engineering Chemistry	2	-	-	2
MLE2203	Engineering Mechanics	2	1	-	3
MLE2204	Basics of Electrical & Electronics Engineering	2	1	-	3
MLE2205	Object Oriented Programming using C++	2	1	-	3
MLE2206	Object Oriented Programming using C++ Lab	-	-	2	1
MLE2207	Engineering Chemistry Lab	-	-	2	1
MLE2208	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
MLE2209	Engineering Graphics Lab	-	-	4	2
Open Electives					*5
CSS2252	English-II	1	-	-	1
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
	Foreign Language-II	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2301	Database Management Systems	3	1	-	4
MLE2302	Operating Systems	3	-	-	3
MLE2303	Data Structures using C	3	1	-	4

MLE2304	Digital Electronics	2	-	-	2
MLE2305	Data Structures using C Lab	-	-	2	1
MLE2306	Database Management System Lab	-	-	2	1
MLE2307	UNIX Programming Lab	-	-	2	1
MLE2308	Digital Electronics Lab	-	-	2	1
	Concentration Electives (Any one/ one set)				3
MLE2309	Electronic Devices and Circuits	2	-	-	2
MLE2310	Electronic Devices and Circuits Lab	-	-	2	1
MLE2311	E-Commerce & ERP	3	-	-	3
MLE2312	Statistics & Probability Concepts	3	-	-	3
	Open Electives				*4+3
CSS2151	Effective Listening	1	-	-	1
BEH2351	Group Dynamics and Team Building	1	-	-	1
	Foreign Language-III	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2401	Discrete Mathematics	3	-	-	3
MLE2402	Artificial Intelligence	3	-	-	3
MLE2403	Analysis & Design of Algorithm	3	-	-	3
MLE2404	Data Communication & Computer Networks	3	-	-	3
MLE2405	Artificial Intelligence Lab	-	-	2	1
MLE2406	Data Communication & Computer Networks Lab	-	-	2	1
MLE2407	Analysis & Design of Algorithm Lab	-	-	2	1
	Concentration Electives (Any one set)				3

MLE2408	Artificial Neural Network	2	-	-	2
MLE2409	Artificial Neural Network Lab	-	-	2	1
MLE2410	Communication Systems	2	-	-	2
MLE2411	Communication Systems Lab	-	-	2	1
MLE2412	Web Designing Technologies	2	-	-	2
MLE2413	Web Designing Technologies Lab	-	-	2	1
	Open Electives				*4+3
CSS2251	Presentation Skills	1	-	-	1
BEH2451	Stress and Coping Strategies	1	-	-	1
	Foreign Language-IV	2	-	-	2
LAN2470	French for Technology -IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

**SUMMER INTERNSHIP-I
FIFTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2501	Computer Architecture	3	-	-	3
MLE2502	Java Programming	3	-	-	3
MLE2503	Fundamentals of Machine Learning	3	-	-	3
MLE2504	Fundamentals of Machine Learning Lab	-	-	4	2
MLE2505	Java Programming Lab	-	-	2	1
MLE2506	Python Programming Lab	-	-	2	1
MLE2535	Summer Internship Evaluation-I	-	-	-	3
	Concentration Electives (Any one/ one set)				3
MLE2507	VHDL Programming	2	-	-	2
MLE2508	VHDL Programming Lab	-	-	2	1
MLE2509	Fuzzy Logic& Genetic Algorithm	3	-	-	3
MLE2510	Advanced Web Designing Technologies	2	-	-	2

MLE2511	Advanced Web Designing Technologies Lab	-	-	2	1
	Open Electives				*4+3
CSS2351	Reading & Comprehension	1	-	-	1
BEH2552	Personality, Nationalism and Human Values	1	-	-	1
	Foreign Language-V	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2601	Research Methodology & Technical Report Writing	2	-	-	2
MLE2602	Advanced Java Programming	3	-	-	3
MLE2603	Deep Learning	3	-	-	3
MLE2604	Deep Learning Lab	-	-	2	1
MLE2605	Advanced Java Programming Lab	-	-	2	1
MLE2606	R-Programming Lab	-	-	4	2
MLE2637	Minor Project-I	-	-	-	2
	Concentration Electives (Any one/ one set)				3
MLE2607	VLSI Design	2	-	-	2
MLE2608	VLSI Design Lab	-	-	2	1
MLE2609	Open Source Technologies	2	-	-	2
MLE2610	Open Source Technologies Lab	-	-	2	1
MLE2611	Data Mining	3	-	-	3
	Open Electives				*4+3
CSS2451	Corporate Communication	1	-	-	1
BEH2652	Interpersonal Communication	1	-	-	1
	Foreign Language-VI	2	-	-	2

LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

**SUMMER INTERNSHIP-II
SEVENTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2701	Natural Language Processing	3	-	-	3
MLE2702	Reinforcement Learning	3	-	-	3
MLE2703	Social Network Data Analytics	3	-	-	3
MLE2704	Reinforcement Learning Lab	-	-	2	1
MLE2705	MATLAB Programming	-	-	2	1
MLE2706	Natural Language Processing Lab	-	-	2	1
MLE2735	Summer Internship Evaluation-II	-	-	-	3
MLE2737	Minor Project-II	-	-	-	2
	Concentration Electives (Any one/one set)				3
MLE2707	Mobile Computing	3	-	-	3
MLE2708	Robotic Process Automation Design & Development	3	-	-	3
MLE2709	Responsive Web Design	2	-	-	2
MLE2710	Responsive Web Design Lab	-	-	2	1
	Open Electives				*4+3
CSS2551	Employability Skills	1	-	-	1
BEH2751	Relationship Management	1	-	-	1
	Foreign Language-VII	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				

LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
MLE2837	Project-Dissertation	-	-	-	8
	Concentration Electives (Any one/ one set)				3
MLE2801	Digital Image Processing	2	-	-	2
MLE2802	Digital Image Processing Lab	-	-	2	1
MLE2803	Dot Net Programming	2	-	-	2
MLE2804	Dot Net Programming Lab	-	-	2	1
MLE2805	Advance Robotic Process Automation Design & Development	3	-	-	3
	Open Electives				*2+3
CSS2651	Workplace Communication	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				16

*Compulsory

**131095 B.Tech.- Computer Science Engg. - International
(Global Study Program) (Total Credits-195)**

Programme Structure-2021 (Semester 1-4)

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSG2101	Applied Mathematics-I	3	1	-	4
CSG2102	Engineering Physics	3	1	2	5
CSG2103	Introduction to Programming in C	2	-	2	3
CSG2104	Elements of Mechanical Engineering Lab	-	-	2	1
CSG2105	Economics for Engineers	2	-	-	2
CSG2106	Sociology for Engineers	1	-	-	1
CSG2107	Introduction to Environmental Studies	3	-	-	3
Open Electives					5*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSG2201	Applied Mathematics-II	3	1	-	4
CSG2202	Engineering Chemistry	3	1	2	5
CSG2203	Engineering Mechanics	3	-	2	4
CSG2204	Basic Electrical Engineering	2	1	2	4
CSG2205	Engineering Graphics Lab	-	-	2	1

CSG2206	Law for Engineers	2	-	-	2
CSG2207	Aspects of Indian History for Engineers	1	-	-	1
Open Electives					5*
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
Foreign Language-II*		3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSG2301	Applied Mathematics-III	3	1	-	4
CSG2302	Database Management Systems	3	1	2	5
CSG2303	Operating Systems	3	-	2	4
CSG2304	Data Structures using C	3	-	2	4
CSG2305	Java Programming	3	-	2	4
CSG2306	Theory of Computation	3	1	-	4
CSG2307	Basic Electronics Engineering	3	-	2	4
Open Electives					4*
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
Foreign Language-III*		2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					33

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSG2401	Applied Mathematics-IV	3	1	-	4
CSG2402	Computer Graphics	3	1	2	5
CSG2403	Object Oriented Programming using C++	3	-	2	4
CSG2404	Basic Simulation Lab	-	-	2	1
CSG2405	Material Science	2	-	-	2
CSG2431	Term Paper	-	-	-	1
Concentration Electives					3
CSG2406	Artificial Neural Network	2	-	-	2
CSG2407	Artificial Neural Network Lab	-	-	2	1
CSG2408	Communication Systems	2	-	-	2
CSG2409	Communication Systems Lab	-	-	2	1
CSG2410	Web Designing Technologies	2	-	-	2
CSG2411	Web Designing Technologies Lab	-	-	2	1
Open Electives					4*
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language – IV*	2	-		2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
TOTAL					24

**13225 B.Tech.-Computer Science Engineering + MBA
(Total Credits-260)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6110	Engineering Mathematics-I	3	1	-	4
CSE6111	Engineering Physics	2	1	-	3
CSE6104	Introduction to Computers & Programming in C	2	1	-	3
CSE6114	Elements of Mechanical Engineering	3	-	-	3
CSE6107	Programming in C Lab	-	-	2	1
CSE6112	Engineering Physics Lab	-	-	2	1
CSE6115	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					9*
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6211	Engineering Mathematics-II	3	1	-	4
CSE6212	Engineering Chemistry	2	-	-	2
CSE6204	Object Oriented Programming using C++	2	1	-	3
CSE6216	Engineering Mechanics	2	1	-	3
CSE6218	Basics of Electrical & Electronics Engineering	2	1	-	3
CSE6208	Object Oriented Programming using C++ Lab	-	-	2	1
CSE6215	Engineering Chemistry Lab	-	-	2	1
CSE6217	Engineering Graphics Lab	-	-	4	2
CSE6219	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
Open Electives					5*
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Foreign Language-II*	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6302	Database Management Systems	3	1	-	4

CSE6303	Operating Systems	3	-	-	3
CSE6304	Data Structures using C	3	1	-	4
CSE6314	Digital Electronics	2	-	-	2
CSE6305	Data Structures Using C Lab	-	-	2	1
CSE6307	Database Management Systems Lab	-	-	2	1
CSE6308	UNIX Programming Lab	-	-	2	1
CSE6315	Digital Electronics Lab	-	-	2	1
Concentration Electives (Any one/ one set)					3
CSE6310	Electronic Devices & Circuits	2	-	-	2
CSE6311	Electronic Devices & Circuits Lab	-	-	2	1
CSE6312	E-Commerce & ERP	3	-	-	3
CSE6316	Statistics & Probability Concepts	3	-	-	3
Open Electives					4
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Foreign Language-III*	2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6403	Discrete Mathematics	3	-	-	3
CSE6411	Artificial Intelligence	3	-	-	3
CSE6418	Analysis & Design of Algorithm	3	-	-	3
CSE6419	Data Communication & Computer Networks	3	-	-	3
CSE6412	Artificial Intelligence Lab	-	-	2	1
CSE6420	Data Communication & Computer Networks Lab	-	-	2	1
CSE6421	Analysis & Design of Algorithm Lab	-	-	2	1
Concentration Electives (Any one set)					3
CSE6413	Communication Systems	2	-	-	2
CSE6414	Communication Systems Lab	-	-	2	1

CSE6410	Artificial Neural Network	2	-	-	2
CSE6417	Artificial Neural Network Lab	-	-	2	1
CSE6422	Web Designing Technologies	2	-	-	2
CSE6423	Web Designing Technologies Lab	-	-	2	1
Open Electives					4
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language-IV*	2	-		2
LAN2470	French for Technology-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
TOTAL					22

SUMMER INTERNSHIP FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6502	Computer Architecture	3	-	-	3
CSE6503	Java Programming	3	-	-	3
CSE6517	Microprocessor	2	1	-	3
CSE6518	Theory of Automata & Computation	3	-	-	3
CSE6505	Java Programming Lab	-	-	2	1
CSE6519	Microprocessor Lab	-	-	2	1
CSE6535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives (Any one/ one set)					3
CSE6507	VHDL Programming	2	-	-	2
CSE6508	VHDL Programming Lab	-	-	2	1
CSE6514	Fuzzy Logic& Genetic Algorithm	3	-	-	3
CSE6520	Advanced Web Designing Technologies	2	-	-	2
CSE6521	Advanced Web Designing Technologies Lab	-	-	2	1
Management Course					6
MGT4101	Management Process and Organizational Behavior	3	-	-	3
MGT4102	Accounting for Management	3	-	-	3

Open Electives					4
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Foreign Language – V*	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	TOTAL				30

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6604	Advanced Java Programming	3	-	-	3
CSE6613	Software Engineering	3	-	-	3
CSE6614	Internet of Things & Wireless Sensor Networks	3	-	-	3
CSE6607	Advanced Java Programming Lab	-	-	2	1
CSE6615	Software Engineering Lab	-	-	2	1
CSE6637	Minor Project-I	-	-	-	2
	Concentration Electives (Any one/ one set)				3
CSE6610	VLSI Design	2	-	-	2
CSE6611	VLSI Design Lab	-	-	2	1
CSE6616	Open Source Technologies	2	-	-	2
CSE6617	Open Source Technologies Lab	-	-	2	1
CSE6618	Data Mining	3	-	-	3
	Management Courses				6
MGT4201	Financial Management	3	-	-	3
MGT4205	Operations Management	3	-	-	3
	Open Electives				4
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Foreign Language-VI*	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				

LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	TOTAL				26

SUMMER INTERNSHIP SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
CSE6712	Computer Graphics	3	-	-	3
CSE6714	Cryptography & Network Security	2	1	-	3
CSE6715	System Programming & Compiler Construction	3	-	-	3
CSE6713	Computer Graphics Lab	-	-	2	1
CSE6716	Network Security Lab	-	-	2	1
CSE6717	System Programming & Compiler Construction Lab	-	-	2	1
CSE6735	Summer Internship Evaluation-II	-	-	-	3
CSE6737	Minor Project-II	-	-	-	2
	Concentration Electives (Any one/ one set)				3
CSE6708	Mobile Computing	3	-	-	3
CSE6718	Robotic Process Automation Design & Development	3	-	-	3
CSE6719	Responsive Web Design	2	-	-	2
CSE6720	Responsive Web Design Lab	-	-	2	1
	Management Courses				9
MGT4104	Marketing Management	3	-	-	3
MGT4106	Quantitative Techniques in Management	3	-	-	3
MGT4108	Human Resource Management	3	-	-	3
	Open Electives				4
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
	Foreign Language-VII*	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				

LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	TOTAL				33

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CSE6837	Project-Dissertation	-	-	-	8
	Concentration Electives (Any one/ one set)				3
CSE6802	Digital Image Processing	2	-	-	2
CSE6804	Digital Image Processing Lab	-	-	2	1
CSE6803	Dot Net Programming	2	-	-	2
CSE6805	Dot Net Programming Lab	-	-	2	1
CSE6810	Advance Robotic Process Automation Design & Development	3	-	-	3
	Management Core Courses				4
MGT4203	Business Research Methods	2	-	-	2
MGT4209	Economics for Management	2	-	-	2
	Open Electives				2
CSS2651	Workplace Communication	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
	Select any One Elective from any One Area/Stream (Management Elective Courses)				(3)
	Finance & Accounting				
FIN4201	Corporate Financial Reporting & Analysis	3	-	-	3
FIN4202	Financial Market & Institutions	3	-	-	3
FIN4203	Financial Statement Analysis	3	-	-	3
	Human Resource				
HRM4201	Measurement in Human Resource	3	-	-	3
HRM4202	Talent Acquisition & Development	3	-	-	3
HRM4203	Global Human Resource Management	3	-	-	3
	International Business				

IBM4201	International Trade Procedures & Documentation	3	-	-	3
IBM4202	Growth Prospects of Thrust Areas of Indian Exports	3	-	-	3
IBM4203	Principles of Global Business Management	3	-	-	3
IBM4204	Global Human Resource Management	3	-	-	3
Information Technology					
ITM4201	Fundamentals of Computers	3	-	-	3
ITM4202	Management Information System	3	-	-	3
ITM4203	Internet Fundamentals	3	-	-	3
ITM4204	Web Design using HTML	3	-	-	3
Marketing & Sales					
MKT4201	Marketing Research	3	-	-	3
MKT4202	Marketing of Services	3	-	-	3
MKT4203	Distribution & Logistics Management	3	-	-	3
MKT4204	Strategic Brand Management	3	-	-	3
E-Commerce					
ECM4201	E-Business Essentials	3	-	-	3
ECM4202	Management Information System	3	-	-	3
ECM4203	Internet Fundamentals	3	-	-	3
ECM4204	Web Design using HTML	3	-	-	3
TOTAL					20

SUMMER INTERNSHIP

NINTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4301	Strategic Management	3	-	-	3
MGT4107	Legal Aspects of Business	3	-	-	3
MGT4109	Information Technology & E-Commerce	1	-	-	1
MGT4335	Summer Internship Evaluation-III	-	-	-	3
	1. Select FOUR Major Electives in combination with TWO Minor Electives from following Area/Stream. OR Select any SIX Major Electives from any one specialisation 2. The Major Electives should be from the same stream as opted in Eight Semester.				(18)
Finance & Accounting					
FIN4301	Advance Corporate Finance	3	-	-	3

FIN4302	Business Valuation	3	-	-	3
FIN4303	Corporate Restructuring	3	-	-	3
FIN4304	International Financial Management	3	-	-	3
FIN4305	Security Analysis & Portfolio Management	3	-	-	3
FIN4306	Financial Modeling with MS-Excel	3	-	-	3
FIN4307	Financial Risk Management	3	-	-	3
FIN4308	Fixed Income Securities Analysis	3	-	-	3
FIN4309	Management of Financial Services	3	-	-	3
FIN4310	Project Planning Appraisal & Control	3	-	-	3
Human Resource					
HRM4301	Social & Industrial Psychology	3	-	-	3
HRM4302	Industrial Relations	3	-	-	3
HRM4303	Organizational Change & Development	3	-	-	3
HRM4304	Performance & Competency Management	3	-	-	3
HRM4305	Training & Development	3	-	-	3
HRM4306	Strategic Human Resource Management	3	-	-	3
HRM4307	Collective Bargaining & Negotiation Process	3	-	-	3
International Business					
IBM4301	International Financial Management & Foreign Exchange Management	3	-	-	3
IBM4302	Risk & Insurance in International Trade	3	-	-	3
IBM4303	WTO and International Regulatory Environment	3	-	-	3
IBM4304	Global Business Operations	3	-	-	3
IBM4305	Foreign Trade Policy	3	-	-	3
IBM4306	International Economics & Policy	3	-	-	3
IBM4307	International Marketing	3	-	-	3
Information Technology					
ITM4301	Networking Fundamentals	3	-	-	3
ITM4302	Database Management Systems	3	-	-	3
ITM4303	Digital Marketing	3	-	-	3
ITM4304	Introduction to Cloud Computing	3	-	-	3
ITM4305	System Analysis & Design	3	-	-	3
ITM4306	Dynamic Web Design	3	-	-	3

	&Development				
ITM4307	Cyber Security Systems	3	-	-	3
ITM4308	Software Project Management	3	-	-	3
Marketing & Sales					
MKT4301	Advertising & Sales Promotion	3	-	-	3
MKT4302	Marketing of Financial Services	3	-	-	3
MKT4303	Digital Marketing	3	-	-	3
MKT4304	International Marketing	3	-	-	3
MKT4305	Direct Marketing	3	-	-	3
MKT4306	Retail Management	3	-	-	3
MKT4307	Sales Management	3	-	-	3
MKT4308	Consumer Behaviour	3	-	-	3
E-Commerce					
ECM4301	Digital Marketing	3	-	-	3
ECM4302	Database Management Systems	3	-	-	3
ECM4303	Networking Fundamentals	3	-	-	3
ECM4304	Software Development Methodologies	3	-	-	3
ECM4305	Software Project Management	3	-	-	3
ECM4306	Technology in Banking	3	-	-	3
ECM4307	Dynamic Web Design & Development	3	-	-	3
ECM4308	System Analysis & Design	3	-	-	3
ECM4309	Cyber Security Systems	3	-	-	3
	TOTAL				28

TENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MGT4428	Total Quality Management	2	-	-	2
MGT4429	Entrepreneurship Development	2	-	-	2
MGT4204	International Business Environment & Practices	3	-	-	3
MGT4210	Business Analytics	1	-	2	2
MGT4437	Dissertation	-	-	-	6
	1. Select TWO Major Electives in combination with TWO Minor Electives from following Area/Stream, If pursuing major & minor specialization OR Select any FOUR Electives from any one specialization, if pursuing major specialization in one functional area. 2. The major and minor area combination should be same as opted in Ninth Semester.				(12)

Finance & Accounting					
FIN4401	Financial Engineering	3	-	-	3
FIN4402	Investment Banking	3	-	-	3
FIN4403	Behavioural Finance	3	-	-	3
FIN4404	Fintech-Technology Innovation in Financial Services	3	-	-	3
FIN4405	Private Equity and Entrepreneurial Finance	3	-	-	3
FIN4406	Corporate Tax Planning	3	-	-	3
Human Resource					
HRM4401	Compensation & Reward Management	3	-	-	3
HRM4402	Psychological Testing	3	-	-	3
HRM4403	Labour Legislations in India	3	-	-	3
HRM4404	Dynamics of Leadership	3	-	-	3
HRM4405	Organizational Design & Structural Processes	3	-	-	3
HRM4406	Managerial Counselling	3	-	-	3
International Business					
IBM4401	Leveraging Information Technology in Global Business	3	-	-	3
IBM4402	International Supply Chain Management	3	-	-	3
IBM4403	International Trade Finance	3	-	-	3
IBM4404	Global Sourcing & Business Development	3	-	-	3
IBM4405	International Commodity Management	3	-	-	3
IBM4406	Cross Cultural Management & Management of Multinational Companies	3	-	-	3
Information Technology					
ITM4401	Data Warehousing & Data Mining	3	-	-	3
ITM4402	Leveraging IT in Global Business	3	-	-	3
ITM4403	Marketing of IT Solutions	3	-	-	3
ITM4404	Managerial Decision Support Systems	3	-	-	3
ITM4405	Search Engine Optimization	3	-	-	3
ITM4406	Tools for Business Intelligence	3	-	-	3
Marketing & Sales					
MKT4401	Customer Relationship Management	3	-	-	3
MKT4402	E-Supply Chain Management	3	-	-	3
MKT4403	Industrial Marketing	3	-	-	3

MKT4404	Competitive Marketing	3	-	-	3
MKT4405	Marketing of Non-Profit Organization	3	-	-	3
MKT4406	Business at Bottom of Pyramid	3	-	-	3
E-Commerce					
ECM4401	Social Media Analytics	3	-	-	3
ECM4402	M-Commerce and Mobile App Development	3	-	-	3
ECM4403	E-Customer Relationship Management	3	-	-	3
ECM4404	Tools for Business Intelligence	3	-	-	3
ECM4405	Advancements in Electronic Payment Systems	3	-	-	3
ECM4406	Search Engine Optimization	3	-	-	3
ECM4407	E-Supply Chain Management	3	-	-	3
TOTAL					27

**131123 B.Tech. + M.Tech. Data Science (Integrated)
(Total Credits-260)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6101	Engineering Mathematics-I	3	1	-	4
DSE6102	Engineering Physics	2	1	-	3
DSE6104	Introduction to Computers & Programming in C	2	1	-	3
DSE6109	Elements of Mechanical Engineering	3	-	-	3
DSE6105	Engineering Physics Lab	-	-	2	1
DSE6106	Programming in C Lab	-	-	2	1
DSE6110	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					9
CSS2152	English-I	1	-	-	1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6201	Engineering Mathematics-II	3	1	-	4
DSE6202	Engineering Chemistry	2	-	-	2
DSE6204	Object Oriented Programming using C++	2	1	-	3
DSE6210	Engineering Mechanics	2	1	-	3
DSE6212	Basics of Electrical & Electronics Engineering	2	1	-	3
DSE6207	Engineering Chemistry Lab	-	-	2	1
DSE6208	Object Oriented Programming using C++ Lab	-	-	2	1
DSE6211	Engineering Graphics Lab	-	-	4	2
DSE6213	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
	Open Electives				5
CSS2252	English-II	1	-	-	1
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
	Foreign Language-II	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	TOTAL				25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6302	Database Management Systems	3	1	-	4
DSE6303	Operating Systems	3	-	-	3
DSE6304	Data Structures using C	3	1	-	4
DSE6313	Digital Electronics	2	-	-	2
DSE6305	Data Structures using C Lab	-	-	2	1
DSE6307	Database Management System Lab	-	-	2	1
DSE6308	UNIX Programming Lab	-	-	2	1
DSE6314	Digital Electronics Lab	-	-	2	1
Concentration Electives (Any one/ one set)					3
DSE6310	E-Commerce & ERP	3	-	-	3
DSE6311	Electronic Devices and Circuits	2	-	-	2
DSE6312	Electronic Devices and Circuits Lab	-	-	2	1
DSE6315	Statistics & Probability Concepts	3	-	-	3
Open Electives					4
CSS2151	Effective Listening	1	-	-	1
BEH2351	Group Dynamics and Team Building	1	-	-	1
Foreign Language-III		2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6403	Discrete Mathematics	3	-	-	3
DSE6404	Artificial Intelligence	3	-	-	3
DSE6413	Analysis & Design of Algorithm	3	-	-	3
DSE6414	Data Communication & Computer Networks	3	-	-	3
DSE6406	Artificial Intelligence Lab	-	-	2	1
DSE6415	Data Communication & Computer Networks Lab	-	-	2	1
DSE6416	Analysis & Design of Algorithm Lab	-	-	2	1
Concentration Electives (Any one set)					3
DSE6407	Communication Systems	2	-	-	2
DSE6408	Communication Systems Lab	-	-	2	1
DSE6411	Artificial Neural Network	2	-	-	2
DSE6412	Artificial Neural Network Lab	-	-	2	1
DSE6417	Web Designing Technologies	2	-	-	2
DSE6418	Web Designing Technologies Lab	-	-	2	1
Open Electives					4
CSS2251	Presentation Skills	1	-	-	1
BEH2451	Stress and Coping Strategies	1	-	-	1
Foreign Language-IV		2	-	-	2
LAN2470	French for Technology -IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
TOTAL					22

**SUMMER INTERNSHIP
FIFTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6502	Computer Architecture	3	-	-	3
DSE6503	Java Programming	3	-	-	3
DSE6504	Advance Data Structures & Algorithm	3	-	-	3
DSE6515	Microprocessor	2	1	-	3
DSE6516	Theory of Automata & Computation	3	-	-	3
DSE6507	Java Programming Lab	-	-	2	1
DSE6508	Python Programming Lab	-	-	2	1
DSE6509	Advance Data Structures & Algorithm Lab	-	-	2	1
DSE6517	Microprocessor Lab	-	-	2	1
DSE6535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives (Any one/one set)					3
DSE6511	Fuzzy Logic& Genetic Algorithm	3	-	-	3
DSE6512	VHDL Programming	2	-	-	2
DSE6513	VHDL Programming Lab	-	-	2	1
DSE6518	Advanced Web Designing Technologies	2	-	-	2
DSE6519	Advanced Web Designing Technologies Lab	-	-	2	1
Open Electives					4
CSS2351	Reading & Comprehension	1	-	-	1
BEH2552	Personality, Nationalism and Human Values	1	-	-	1
Foreign Language-V		2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
TOTAL					29

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6603	Advanced Java Programming	3	-	-	3
DSE6604	Advance Database Management System	3	-	-	3
DSE6605	Digital Computer Organization	3	-	-	3
DSE6614	Software Engineering	3	-	-	3
DSE6615	Internet of Things & Wireless Sensor Networks	3	-	-	3
DSE6608	Advanced Java Programming Lab	-	-	2	1
DSE6609	Advance Database Management System Lab	-	-	2	1
DSE6616	Software Engineering Lab	-	-	2	1
DSE6637	Minor Project-I	-	-	-	2
Concentration Electives (Any one/ one set)					3
DSE6612	VLSI Design	2	-	-	2
DSE6613	VLSI Design Lab	-	-	2	1
DSE6617	Open Source Technologies	2	-	-	2
DSE6618	Open Source Technologies Lab	-	-	2	1
DSE6619	Data Mining	3	-	-	3
Open Electives					4
CSS2451	Corporate Communication	1	-	-	1
BEH2652	Interpersonal Communication	1	-	-	1
Foreign Language-VI		2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
TOTAL					27

**SUMMER INTERNSHIP
SEVENTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6702	Computer Graphics	3	-	-	3
DSE6704	Advanced Computer Networks	3	-	-	3
DSE6713	Cryptography & Network Security	2	1	-	3
DSE6714	System Programming & Compiler Construction	3	-	-	3
DSE6706	Computer Graphics Lab	-	-	2	1
DSE6707	Advanced Computer Networks Lab	-	-	2	1
DSE6708	MATLAB Programming	-	-	4	2
DSE6715	Network Security Lab	-	-	2	1
DSE6716	System Programming & Compiler Construction Lab	-	-	2	1
DSE6735	Summer Internship Evaluation-II	-	-	-	3
DSE6737	Minor Project-II	-	-	-	2
	Concentration Electives (Any one/ one set)				3
DSE6710	Mobile Computing	3	-	-	3
DSE6717	Robotic Process Automation Design & Development	3	-	-	3
DSE6718	Responsive Web Design	2	-	-	2
DSE6719	Responsive Web Design Lab	-	-	2	1
	Open Electives				4
CSS2551	Employability Skills	1	-	-	1
BEH2751	Relationship Management	1	-	-	1
	Foreign Language-VII	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	TOTAL				30

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6801	Applied Statistical Analysis	3	-	-	3
DSE6802	Data Mining & Predictive Analytics	3	-	-	3
DSE6803	Data Warehousing & Multi-dimensional Modelling	3	-	-	3
DSE6804	Database & Knowledge Base Systems	3	-	-	3
DSE6805	Big Data Technologies	3	-	-	3
DSE6806	Applied Statically Analysis Lab	-	-	2	1
DSE6807	Data Mining & Predictive Analytics Lab	-	-	2	1
DSE6808	Data Warehousing & Multi-dimensional Modelling Lab	-	-	2	1
DSE6809	Research Methodology & Technical Report Writing	2	-	-	2
DSE6837	Major Project	-	-	-	8
Concentration Electives (Any one/ one set)					3
DSE6812	Digital Image Processing	2	-	-	2
DSE6813	Digital Image Processing Lab	-	-	2	1
DSE6814	Dot Net Programming	2	-	-	2
DSE6815	Dot Net Programming Lab	-	-	2	1
DSE6816	Advance Robotic Process Automation Design & Development	3	-	-	3
Open Electives					2
CSS2651	Workplace Communication	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
TOTAL					33

SUMMER INTERNSHIP NINTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6901	Descriptive Analysis	3	-	-	3
DSE6902	Learning & Reasoning with Bayesian Networks	3	1	-	4
DSE6903	Social Network Data Analytics	3	-	-	3
DSE6904	R-Programming Lab	-	-	2	1
DSE6905	Hadoop Lab	-	-	4	2

DSE6935	Summer Internship Evaluation-III	-	-	-	6
DSE6937	Project-Dissertation-I	-	-	-	5
Concentration Electives-I (Any One)					3
DSE6906	Web Technology	3	-	-	3
DSE6907	Service Oriented Architecture	3	-	-	3
Concentration Electives-II (Any One)					3
DSE6908	Natural Language Processing	3	-	-	3
DSE6909	Agent Based Intelligent Systems	3	-	-	3
TOTAL					30

TENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE6037	Project-Dissertation-II	-	-	-	15
TOTAL					15

**131326 B.Tech. + M.Tech. (Artificial Intelligence & Machine Learning)
(Integrated) (Total Credits-260)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6101	Engineering Mathematics-I	3	1	-	4
AIE6102	Engineering Physics	2	1	-	3
AIE6104	Introduction to Computers & Programming in C	2	1	-	3
AIE6109	Elements of Mechanical Engineering	3	-	-	3
AIE6105	Engineering Physics Lab	-	-	2	1
AIE6106	Programming in C Lab	-	-	2	1
AIE6110	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					9
CSS2152	English-I	1	-	-	1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6201	Engineering Mathematics-II	3	1	-	4
AIE6202	Engineering Chemistry	2	-	-	2
AIE6204	Object Oriented Programming using C++	2	1	-	3
AIE6210	Engineering Mechanics	2	1	-	3
AIE6212	Basics of Electrical & Electronics Engineering	2	1	-	3
AIE6207	Engineering Chemistry Lab	-	-	2	1
AIE6208	Object Oriented Programming using C++ Lab	-	-	2	1
AIE6211	Engineering Graphics Lab	-	-	4	2
AIE6213	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
	Open Electives				5
CSS2252	English-II	1	-	-	1
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
	Foreign Language-II	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	TOTAL				25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6302	Database Management Systems	3	1	-	4
AIE6303	Operating Systems	3	-	-	3
AIE6304	Data Structures using C	3	1	-	4

AIE6313	Digital Electronics	2	-	-	2
AIE6305	Data Structures using C Lab	-	-	2	1
AIE6307	Database Management System Lab	-	-	2	1
AIE6308	UNIX Programming Lab	-	-	2	1
AIE6314	Digital Electronics Lab	-	-	2	1
Concentration Electives (Any one/ one set)					3
AIE6310	E-Commerce & ERP	3	-	-	3
AIE6311	Electronic Devices and Circuits	2	-	-	2
AIE6312	Electronic Devices and Circuits Lab	-	-	2	1
AIE6315	Statistics & Probability Concepts	3	-	-	3
Open Electives					4
CSS2151	Effective Listening	1	-	-	1
BEH2351	Group Dynamics and Team Building	1	-	-	1
Foreign Language-III		2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6403	Discrete Mathematics	3	-	-	3
AIE6404	Artificial Intelligence	3	-	-	3
AIE6413	Analysis & Design of Algorithm	3	-	-	3
AIE6414	Data Communication & Computer Networks	3	-	-	3
AIE6406	Artificial Intelligence Lab	-	-	2	1
AIE6415	Data Communication & Computer Networks Lab	-	-	2	1
AIE6416	Analysis & Design of Algorithm Lab	-	-	2	1
Concentration Electives (Any one set)					3
AIE6407	Communication Systems	2	-	-	2

AIE6408	Communication Systems Lab	-	-	2	1
AIE6411	Artificial Neural Network	2	-	-	2
AIE6412	Artificial Neural Network Lab	-	-	2	1
AIE6417	Web Designing Technologies	2	-	-	2
AIE6418	Web Designing Technologies Lab	-	-	2	1
	Open Electives				4
CSS2251	Presentation Skills	1	-	-	1
BEH2451	Stress and Coping Strategies	1	-	-	1
	Foreign Language-IV	2	-	-	2
LAN2470	French for Technology -IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	TOTAL				22

SUMMER INTERNSHIP FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6502	Computer Architecture	3	-	-	3
AIE6503	Java Programming	3	-	-	3
AIE6504	Advance Data Structures & Algorithm	3	-	-	3
AIE6515	Microprocessor	2	1	-	3
AIE6516	Theory of Automata & Computation	3	-	-	3
AIE6507	Java Programming Lab	-	-	2	1
AIE6508	Python Programming Lab	-	-	2	1
AIE6509	Advance Data Structures & Algorithm Lab	-	-	2	1
AIE6517	Microprocessor Lab	-	-	2	1
AIE6535	Summer Internship Evaluation-I	-	-	-	3
	Concentration Electives (Any one/ one set)				3
AIE6511	Fuzzy Logic& Genetic Algorithm	3	-	-	3
AIE6512	VHDL Programming	2	-	-	2
AIE6513	VHDL Programming Lab	-	-	2	1

AIE6518	Advanced Web Designing Technologies	2	-	-	2
AIE6519	Advanced Web Designing Technologies Lab	-	-	2	1
	Open Electives				4
CSS2351	Reading & Comprehension	1	-	-	1
BEH2552	Personality, Nationalism and Human Values	1	-	-	1
	Foreign Language-V	2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	TOTAL				29

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6603	Advanced Java Programming	3	-	-	3
AIE6604	Advance Database Management System	3	-	-	3
AIE6605	Digital Computer Organization	3	-	-	3
AIE6614	Software Engineering	3	-	-	3
AIE6615	Internet of Things & Wireless Sensor Networks	3	-	-	3
AIE6608	Advanced Java Programming Lab	-	-	2	1
AIE6609	Advance Database Management System Lab	-	-	2	1
AIE6616	Software Engineering Lab	-	-	2	1
AIE6637	Minor Project-I	-	-	-	2
	Concentration Electives (Any one/ one set)				3
AIE6612	VLSI Design	2	-	-	2
AIE6613	VLSI Design Lab	-	-	2	1
AIE6617	Open Source Technologies	2	-	-	2
AIE6618	Open Source Technologies Lab	-	-	2	1

AIE6619	Data Mining	3	-	-	3
	Open Electives				4
CSS2451	Corporate Communication	1	-	-	1
BEH2652	Interpersonal Communication	1	-	-	1
	Foreign Language-VI	2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
	TOTAL				27

**SUMMER INTERNSHIP
SEVENTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6702	Computer Graphics	3	-	-	3
AIE6704	Advanced Computer Networks	3	-	-	3
AIE6713	Cryptography & Network Security	2	1	-	3
AIE6714	System Programming & Compiler Construction	3	-	-	3
AIE6706	Computer Graphics Lab	-	-	2	1
AIE6707	Advanced Computer Networks Lab	-	-	2	1
AIE6708	MATLAB Programming	-	-	4	2
AIE6715	Network Security Lab	-	-	2	1
AIE6716	System Programming & Compiler Construction Lab	-	-	2	1
AIE6735	Summer Internship Evaluation-II	-	-	-	3
AIE6737	Minor Project-II	-	-	-	2
	Concentration Electives (Any one/one set)				3
AIE6710	Mobile Computing	3	-	-	3
AIE6717	Robotic Process Automation Design & Development	3	-	-	3
AIE6718	Responsive Web Design	2	-	-	2
AIE6719	Responsive Web Design Lab	-	-	2	1
	Open Electives				4

CSS2551	Employability Skills	1	-	-	1
BEH2751	Relationship Management	1	-	-	1
	Foreign Language-VII	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
	TOTAL				30

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6809	Research Methodology & Technical Report Writing	2	-	-	2
AIE6837	Major Project	-	-	-	8
	Robotics (Specialisation)				18
RBE6801	Fundamental of Robotics System & Robot Programming	3	-	-	3
RBE6802	Advanced Control Systems & Drives for Robots	3	-	-	3
RBE6803	Microprocessor and Interfacing	3	-	-	3
RBE6804	Kinematics & Dynamics of Robots	3	-	-	3
RBE6805	Advanced Applied Mathematics for Engineering	3	-	-	3
RBE6806	Fundamental of Robotics System & Robot Programming Lab	-	-	2	1
RBE6807	Advanced Control Systems & Drives for Robots Lab	-	-	2	1
RBE6808	Microprocessor and Interfacing Lab	-	-	2	1
	Robotics (Specialisation) Concentration Electives (Any one/ one set)				3
RBE6809	Digital Image Processing	2	-	-	2
RBE6810	Digital Image Processing Lab	-	-	2	1
RBE6811	Dot Net Programming	2	-	-	2
RBE6812	Dot Net Programming Lab	-	-	2	1
RBE6813	Advance Robotic Process Automation	3	-	-	3

	Design & Development				
	Machine Learning (Specialisation)				18
MLE6801	Applied Statistical Analysis	3	-	-	3
MLE6802	Data Mining & Predictive Analysis	3	-	-	3
MLE6803	Data Warehousing and Multi-dimensional Modelling	3	-	-	3
MLE6804	Big Data Technologies	3	-	-	3
MLE6805	Applied Statistical Analysis Lab	-	-	2	1
MLE6806	Data Mining & Predictive Analysis Lab	-	-	2	1
MLE6807	Data Warehousing and Multi-dimensional Modelling Lab	-	-	4	2
MLE6808	R-Programming Lab	-	-	4	2
	Machine Learning (Specialisation) Concentration Electives (Any one/ one set)				3
MLE6809	Digital Image Processing	2	-	-	2
MLE6810	Digital Image Processing Lab	-	-	2	1
MLE6811	Dot Net Programming	2	-	-	2
MLE6812	Dot Net Programming Lab	-	-	2	1
MLE6813	Advance Robotic Process Automation Design & Development	3	-	-	3
	Open Electives				2
CSS2651	Workplace Communication	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
	TOTAL				33

SUMMER INTERNSHIP NINTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6935	Summer Internship Evaluation-III	-	-	-	6
AIE6937	Project-Dissertation-I	-	-	-	5
	Robotics (Specialisation)				12
RBE6901	Automation in Manufacturing Systems	3	-	-	3
RBE6902	Robotic Sensors, Vision and Hardware Implementation	3	-	-	3
RBE6903	Pattern Recognition & Image Processing	3	-	-	3
RBE6904	Robotic Sensors, Vision and Hardware Implementation Lab	-	-	4	2
RBE6905	Pattern Recognition & Image	-	-	2	1

	Processing Lab				
	Robotics (Specialisation) Concentration Electives-I (Any One)				3
RBE6906	Optimization Techniques	3	-	-	3
RBE6907	CNC Machines & Adaptive Control	3	-	-	3
	Robotics (Specialisation) Concentration Electives-II (Any one set)				4
RBE6908	Neural Network and Fuzzy Logic	3	-	-	3
RBE6909	Neural Network and Fuzzy Logic Lab	-	-	2	1
RBE6910	Decision Making Systems	3	-	-	3
RBE6911	Decision Making Systems Lab	-	-	2	1
	Machine Learning (Specialisation)				13
MLE6901	Pattern Recognition and Image Processing	3	-	-	3
MLE6902	Neural Network and Fuzzy Logic	3	-	-	3
MLE6903	Natural Language Processing	3	-	-	3
MLE6904	Pattern Recognition and Image Processing Lab	-	-	2	1
MLE6905	Neural Network and Fuzzy Logic Lab	-	-	2	1
MLE6906	Hadoop Lab	-	-	4	2
	Machine Learning (Specialisation) Concentration Electives-I (Any One)				3
MLE6907	Descriptive Analysis	3	-	-	3
MLE6908	Optimization Techniques	3	-	-	3
	Machine Learning (Specialisation) Concentration Electives-II (Any One)				3
MLE6909	Social Network Data Analytics	3	-	-	3
MLE6910	Agent Based Intelligent Systems	3	-	-	3
	TOTAL				30

TENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE6037	Project-Dissertation-II	-	-	-	15
	TOTAL				15

**131124 B.Tech. + M.Tech. Network & Cyber Security (Integrated)
(Total Credits-260)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6101	Engineering Mathematics-I	3	1	-	4
NCE6102	Engineering Physics	2	1	-	3
NCE6104	Introduction to Computers & Programming in C	2	1	-	3
NCE6109	Elements of Mechanical Engineering	3	-	-	3
NCE6105	Engineering Physics Lab	-	-	2	1
NCE6106	Programming in C Lab	-	-	2	1
NCE6110	Elements of Mechanical Engineering Lab	-	-	2	1
Open Electives					9
CSS2152	English-I	1	-	-	1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
	Foreign Language-I	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6201	Engineering Mathematics-II	3	1	-	4
NCE6202	Engineering Chemistry	2	-	-	2
NCE6204	Object Oriented Programming using C++	2	1	-	3
NCE6210	Engineering Mechanics	2	1	-	3
NCE6212	Basics of Electrical & Electronics Engineering	2	1	-	3
NCE6207	Engineering Chemistry Lab	-	-	2	1
NCE6208	Object Oriented Programming using C++ Lab	-	-	2	1
NCE6211	Engineering Graphics Lab	-	-	4	2
NCE6213	Basics of Electrical & Electronics Engineering Lab	-	-	2	1
	Open Electives				5
CSS2252	English-II	1	-	-	1
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
	Foreign Language-II	3	-	-	3
LAN2270	French for Technology-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	TOTAL				25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6302	Database Management Systems	3	1	-	4
NCE6303	Operating Systems	3	-	-	3
NCE6304	Data Structures using C	3	1	-	4
NCE6313	Digital Electronics	2	-	-	2
NCE6305	Data Structures using C Lab	-	-	2	1
NCE6307	Database Management System Lab	-	-	2	1
NCE6308	UNIX Programming Lab	-	-	2	1
NCE6314	Digital Electronics Lab	-	-	2	1
Concentration Electives (Any one set / subject)					3
NCE6310	E-Commerce & ERP	3	-	-	3
NCE6311	Electronic Devices and Circuits	2	-	-	2
NCE6312	Electronic Devices and Circuits Lab	-	-	2	1
NCE6315	Statistics & Probability Concepts	3	-	-	3
Open Electives					4
CSS2151	Effective Listening	1	-	-	1
BEH2351	Group Dynamics and Team Building	1	-	-	1
Foreign Language-III		2	-	-	2
LAN2370	French for Technology-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6403	Discrete Mathematics	3	-	-	3
NCE6404	Artificial Intelligence	3	-	-	3
NCE6413	Analysis & Design of Algorithm	3	-	-	3
NCE6414	Data Communication & Computer Networks	3	-	-	3
NCE6406	Artificial Intelligence Lab	-	-	2	1
NCE6415	Data Communication & Computer Networks Lab	-	-	2	1
NCE6416	Analysis & Design of Algorithm Lab	-	-	2	1
Concentration Electives (Any one/ one set)					3
NCE6407	Communication Systems	2	-	-	2
NCE6408	Communication Systems Lab	-	-	2	1
NCE6411	Artificial Neural Network	2	-	-	2
NCE6412	Artificial Neural Network Lab	-	-	2	1
NCE6417	Web Designing Technologies	2	-	-	2
NCE6418	Web Designing Technologies Lab	-	-	2	1
Open Electives					4
CSS2251	Presentation Skills	1	-	-	1
BEH2451	Stress and Coping Strategies	1	-	-	1
Foreign Language-IV		2	-	-	2
LAN2470	French for Technology -IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
TOTAL					22

**SUMMER INTERNSHIP
FIFTH SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6502	Computer Architecture	3	-	-	3
NCE6503	Java Programming	3	-	-	3
NCE6504	Advance Data Structures & Algorithm	3	-	-	3
NCE6515	Microprocessor	2	1	-	3
NCE6516	Theory of Automata & Computation	3	-	-	3
NCE6507	Java Programming Lab	-	-	2	1
NCE6508	Python Programming Lab	-	-	2	1
NCE6509	Advance Data Structures & Algorithm Lab	-	-	2	1
NCE6517	Microprocessor Lab	-	-	2	1
NCE6535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives (Any one/ one set)					3
NCE6511	Fuzzy Logic& Genetic Algorithm	3	-	-	3
NCE6512	VHDL Programming	2	-	-	2
NCE6513	VHDL Programming Lab	-	-	2	1
NCE6518	Advanced Web Designing Technologies	2	-	-	2
NCE6519	Advanced Web Designing Technologies Lab	-	-	2	1
Open Electives					4
CSS2351	Reading & Comprehension	1	-	-	1
BEH2552	Personality, Nationalism and Human Values	1	-	-	1
Foreign Language-V		2	-	-	2
LAN2570	French for Technology-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
TOTAL					29

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6603	Advanced Java Programming	3	-	-	3
NCE6604	Advance Database Management System	3	-	-	3
NCE6605	Digital Computer Organization	3	-	-	3
NCE6614	Software Engineering	3	-	-	3
NCE6615	Internet of Things & Wireless Sensor Networks	3	-	-	3
NCE6608	Advanced Java Programming Lab	-	-	2	1
NCE6609	Advance Database Management System Lab	-	-	2	1
NCE6619	Software Engineering Lab	-	-	2	1
NCE6637	Minor Project-I	-	-	-	2
Concentration Electives (Any one/ one set)					3
NCE6612	VLSI Design	2	-	-	2
NCE6613	VLSI Design Lab	-	-	2	1
NCE6616	Open Source Technologies	2	-	-	2
NCE6617	Open Source Technologies Lab	-	-	2	1
NCE6618	Data Mining	3	-	-	3
Open Electives					4
CSS2451	Corporate Communication	1	-	-	1
BEH2652	Interpersonal Communication	1	-	-	1
Foreign Language-VI		2	-	-	2
LAN2670	French for Technology-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
TOTAL					27

SUMMER INTERNSHIP

SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6702	Computer Graphics	3	-	-	3
NCE6704	Advanced Computer Networks	3	-	-	3
NCE6713	Cryptography & Network Security	2	1	-	3
NCE6714	System Programming & Compiler Construction	3	-	-	3
NCE6706	Computer Graphics Lab	-	-	2	1
NCE6707	Advanced Computer Networks Lab	-	-	2	1
NCE6708	MATLAB Programming	-	-	4	2
NCE6715	System Programming & Compiler Construction Lab	-	-	2	1
NCE6718	Network Security Lab	-	-	2	1
NCE6735	Summer Internship Evaluation-II	-	-	-	3
NCE6737	Minor Project-II	-	-	-	2
Concentration Electives (Any one/one set)					3
NCE6710	Mobile Computing	3	-	-	3
NCE6716	Robotic Process Automation Design & Development	3	-	-	3
NCE6717	Responsive Web Design	2	-	-	2
NCE6719	Responsive Web Design Lab	-	-	2	1
Open Electives					4
CSS2551	Employability Skills	1	-	-	1
BEH2751	Relationship Management	1	-	-	1
	Foreign Language-VII	2	-	-	2
LAN2770	French for Technology-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
TOTAL					30

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6801	Mathematical Foundation for Cyber Security	3	-	-	3
NCE6802	Network and Wireless Security	3	-	-	3
NCE6803	Cyber Crime and IT Law	3	-	-	3
NCE6804	Cyber Crime Investigation & Forensics	3	-	-	3
NCE6805	Intrusion Detection & Prevention System	3	-	-	3
NCE6806	Cryptography Foundation Lab	-	-	2	1
NCE6807	Web Security Lab	-	-	2	1
NCE6808	Network & Wireless Security Lab	-	-	2	1
NCE6809	Research Methodology & Technical Report Writing	2	-	-	2
NCE6837	Major Project	-	-	-	8
Concentration Electives (Any one/one set)					3
NCE6812	Digital Image Processing	2	-	-	2
NCE6813	Digital Image Processing Lab	-	-	2	1
NCE6814	Dot Net Programming	2	-	-	2
NCE6815	Dot Net Programming Lab	-	-	2	1
NCE6816	Advance Robotic Process Automation Design & Development	3	-	-	3
Open Electives					2
CSS2651	Workplace Communication	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
TOTAL					33

SUMMER INTERNSHIP NINTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6901	Biometric Systems & Biometric Image Processing	3	-	-	3
NCE6902	Software Vulnerability Analysis	3	1	-	4
NCE6903	Applied Cryptography	3	-	-	3
NCE6904	Biometric Image Processing Lab	-	-	2	1
NCE6905	Applied Cryptography Lab	-	-	4	2

NCE6935	Summer Internship Evaluation-III	-	-	-	6
NCE6937	Project-Dissertation-I	-	-	-	5
Concentration Electives-I (Any One)					3
NCE6906	Web Application & Penetration Testing	3	-	-	3
NCE6907	Malware Analysis in Network Security	3	-	-	3
Concentration Electives-II (Any One)					3
NCE6908	Web Security	3	-	-	3
NCE6909	Digital Watermarking & Steganography	3	-	-	3
TOTAL					30

TENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE6037	Project-Dissertation-II	-	-	-	15
TOTAL					15

13153 M.Tech.- Electronics & Communication Engg. (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECE4101	Low Power VLSI Design	3	-	-	3
ECE4102	Advanced Digital Communication Systems	3	-	-	3
ECE4103	Stochastic Methods	3	-	-	3
ECE4104	Advanced Control Systems	3	1	-	4
ECE4105	Digital Signal Processing	3	1	-	4
ECE4106	Low Power VLSI Design Lab	-	-	2	1
ECE4107	Advanced Digital Communication Systems Lab	-	-	2	1
ECE4108	Digital Signal Processing Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECE4201	Information Theory & Coding	3	-	-	3
ECE4202	Advanced Computer Networks	3	-	-	3
ECE4204	Advanced Optical	3	1	-	4

	Communication				
ECE4215	Advanced Wireless Communication	3	-	-	3
ECE4205	Advanced Computer Networks Lab	-	-	2	1
ECE4206	Device Modeling & Simulation Lab	-	-	2	1
ECE4207	Advanced Optical Communication Lab	-	-	2	1
ECE4214	Research Methodology & Technical Report Writing	2	-	-	2
	Electives (without Lab)				3
ECE4203	Advanced Microwave Engineering	3	-	-	3
ECE4208	Satellite Communication	3	-	-	3
ECE4209	Bluetooth Technology	3	-	-	3
ECE4210	Cluster & Grid Computing	3	-	-	3
ECE4211	Real Time Systems & Software	3	-	-	3
ECE4212	MEMS & IC Integration	3	-	-	3
	Open Electives				5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				26

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECE4301	Advanced Instrumentation	3	-	-	3
ECE4313	Wireless Sensor Networks	3	-	-	3
ECE4314	Image and Video Processing	3	1	-	4
ECE4315	Embedded System	3	-	-	3
ECE4305	Advanced Instrumentation Lab	-	-	2	1

ECE4306	Advanced Image Processing Lab	-	-	2	1
ECE4316	Embedded System Lab	-	-	2	1
ECE4335	Summer Internship Evaluation	-	-	-	6
ECE4337	Project-Dissertation-I	-	-	-	5
	Electives (without Lab)				3
ECE4302	Nano Science & Technology	3	-	-	3
ECE4308	Mobile Computing	3	-	-	3
ECE4309	Optimization Techniques	3	-	-	3
ECE4310	Advanced Power Electronics	3	-	-	3
ECE4311	Radar Systems	3	-	-	3
ECE4312	Reliability Engineering	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				34

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ECE4437	Project-Dissertation-II	-	-	-	15
	TOTAL				15

13578 M.Tech.-Civil Engineering (Total Credits-100)
(Specialisation: Structural Engineering, Construction Technology & Management, Transportation Engineering and Environmental Engineering)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CIV4101	Applied Numerical Methods	4	-	-	4
CIV4102	Sustainable Constructions	4	-	-	4
CIV4103	Disaster Mitigation and Management	4	-	-	4
CIV4104	Environmental Impact Assessment for Civil Engineers	3	1	-	4
CIV4105	Optimization and Quantitative Methods in Civil Engineering	4	-	-	4
CIV4106	Advanced Civil Engineering Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CIV4201	Research Methodology and Technical Report Writing	2	-	-	2

	Structural Engineering (Specialization) Elective-I (Any Three)				12
STE4201	Structural Dynamics	3	1	-	4
STE4202	Advanced Steel Design	3	1	-	4
STE4204	Design of Industrial Structures	3	1	-	4
STE4212	Advanced Structural Analysis	3	1	-	4
	Structural Engineering (Specialization) Elective-II (Any Two)				8
STE4208	Advanced Bridge Design	3	1	-	4
STE4211	Advanced Concrete Design	3	1	-	4
STE4213	Finite Element Method	3	1	-	4
	Construction Technology & Management (Specialization) Elective-I (Any Three)				12
CME4201	Advances in Construction Practices and Machinery	3	1	-	4
CME4203	Building Services & Maintenance Management	3	1	-	4
CME4204	Systems Design and Value Analysis	3	1	-	4
CME4211	Process Analysis & Theory of Constraints	3	1	-	4
	Construction Technology & Management (Specialization) Elective-II (Any Two)				8
CME4207	Reliability Analysis in Construction Management	3	1	-	4
CME4212	Pre-Engineered Construction Technology	3	1	-	4
CME4213	Construction Planning and Management	3	1	-	4
	Transportation Engineering (Specialization) Elective-I (Any Three/ Three Set)				12
TRE4201	Transportation Planning	3	1	-	4
TRE4214	Accidents Analysis & Prevention	4	-	-	4
TRE4216	Pavement Materials & Construction	3	-	-	3
TRE4217	Pavement Materials & Construction Lab	-	-	2	1
TRE4218	Geometric Design of Highways	3	-	-	3
TRE4219	Geometric Design of Highways Lab	-	-	2	1
	Transportation Engineering (Specialization) Elective-II (Any Two)				8
TRE4210	Transportation Economics & Finance	3	1	-	4
TRE4211	Pavement Analysis and Design	3	1	-	4
TRE4215	Road Safety Audit	3	1	-	4
	Environmental Engineering (Specialization) Elective-I (Any Three)				12
EVE4201	Environmental Policies and Legislation	3	1	-	4

EVE4208	Solid and Hazardous Waste Management	3	1	-	4
EVE4211	Water Treatment Plant Design and Operation	3	1	-	4
EVE4212	Air Pollution and Control	3	1	-	4
Environmental Engineering (Specialization) Elective-II (Any Two/ Two Set)					8
EVE4205	Optimization of Water Resources System	3	1	-	4
EVE4213	Environmental Chemistry	3	-	-	3
EVE4214	Environmental Engineering Lab	-	-	2	1
EVE4215	GIS & Remote Sensing for Land and Water Management	3	1	-	4
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					27

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CIV4335	Summer Internship Evaluation	-	-	-	6
CIV4337	Project-Dissertation-I	-	-	-	5
Structural Engineering (Specialization) Elective-I (Any Two)					8
STE4308	Design of Tall Buildings	3	1	-	4
STE4312	Offshore Structures	4	-	-	4
STE4314	Pre-stressed Concrete Design	3	1	-	4
Structural Engineering (Specialization) Elective-II (Any One)					4
STE4302	Advanced Concrete Technology	3	1	-	4
STE4307	Soil Structure Interaction	3	1	-	4
STE4315	Theory of Plates & Shells	3	1	-	4
Structural Engineering (Specialization) Elective-III (Any One/ One Set)					5

STE4304	Advanced Construction Materials	3	1	-	4
STE4305	Advanced Construction Materials Lab	-	-	2	1
STE4309	Advanced Steel and Concrete Composite Structures	3	1	-	4
STE4310	Advanced Structural Engineering Lab	-	-	2	1
Construction Technology & Management (Specialization) Elective-I (Any Two)					8
CME4301	Construction Economics and Finance	3	1	-	4
CME4307	GIS in Construction Engineering	3	1	-	4
CME4310	Construction Quality & Safety Management	3	1	-	4
Construction Technology & Management (Specialization) Elective-II (Any One)					4
CME4308	Operations Strategy	3	1	-	4
CME4314	Contract Laws & Regulations	3	1	-	4
CME4315	Advanced Concrete Technology	3	1	-	4
Construction Technology & Management (Specialization) Elective-III (Any One/ One Set)					5
CME4302	Highway Construction and Maintenance	3	1	-	4
CME4303	Highway Construction and Maintenance Lab	-	-	2	1
CME4304	Geotechnics in Construction	3	1	-	4
CME4305	Geotechnical Lab for Construction Engineers	-	-	2	1
CME4316	Soft Computing Techniques in Civil Engineering	3	1	-	4
CME4317	Soft Computing Techniques in Civil Engineering Lab	-	-	2	1
Transportation Engineering (Specialization) Elective-I (Any Two)					8
TRE4305	Transportation Infrastructure Design	4	-	-	4
TRE4306	Airport Infrastructure Planning & Design	4	-	-	4
TRE4309	Bridge Engineering for Highways	4	-	-	4
Transportation Engineering (Specialization) Elective-II (Any One)					4
TRE4303	Public Transportation System	3	1	-	4
TRE4307	Intelligent Transportation System	3	1	-	4
TRE4308	Railway Infrastructure Planning & Design	3	1	-	4
Transportation Engineering (Specialization) Elective-III (Any One/ One Set)					5
TRE4301	GIS & Its Application in	4	-	-	4

	Transportation Engineering				
TRE4302	GIS & Its Application in Transportation Engineering Lab	-	-	2	1
TRE4310	Traffic Engineering & Modeling	4	-	-	4
TRE4311	Traffic Engineering & Modeling Lab	-	-	2	1
	Environmental Engineering (Specialization) Elective-I (Any Two)				8
EVE4302	Industrial Wastewater Treatment and Design	3	1	-	4
EVE4303	Water Resource Planning and Management	3	1	-	4
EVE4309	Biological Process of Waste Water Treatment	3	1	-	4
	Environmental Engineering (Specialization) Elective-II (Any One)				4
EVE4310	Transport Phenomenon of Waste Water	4	-	-	4
EVE4311	Water Reclamation and Reuse	4	-	-	4
	Environmental Engineering (Specialization) Elective-III (Any One/ One Set)				5
EVE4312	Air and Water Quality Modelling	4	-	-	4
EVE4313	Air and Water Quality Modelling Lab	-	-	2	1
EVE4314	Advanced Wastewater Engineering	4	-	-	4
EVE4315	Advanced Wastewater Engineering Lab	-	-	2	1
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				32

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CIV4437	Project-Dissertation-II	-	-	-	15
	TOTAL				15

13581 M.Tech.-Mechanical Engineering (Total Credits-100)
(Specialisation: Thermal Engineering, Machine Design Engineering and Industrial & Production Engineering)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MAE4101	Advanced Solid Mechanics	3	1	-	4
MAE4102	Applied Numerical Methods	3	-	-	3
MAE4103	Advanced Fluid Mechanics	3	1	-	4
MAE4104	Advanced Machining Processes	3	1	-	4
MAE4105	Computer Integrated Manufacturing	3	1	-	4
MAE4106	Advanced Fluid Mechanics Lab	-	-	2	1
MAE4107	Advanced Machining Processes Lab	-	-	2	1
MAE4108	Computer Integrated Manufacturing Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
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MAE4201	Optimization Techniques	3	1	-	4
MAE4202	Design of Experiments	3	1	-	4
MAE4203	Research Methodology & Technical Report Writing	2	-	-	2
Thermal Engineering (Specialization) (Any Three)					12
THE4203	Advanced Heat & Mass Transfer	3	-	-	3
THE4206	Advanced Heat & Mass Transfer Lab	-	-	2	1
THE4211	Concept of Combustion	3	1	-	4
THE4212	Energy Management & Auditing	3	1	-	4
THE4213	Refrigeration & Air Conditioning	3	-	-	3
THE4214	Refrigeration & Air Conditioning Lab	-	-	2	1
Machine Design Engineering (Specialization) (Any Three)					12
MDE4204	Advanced Tribology	3	1	-	4
MDE4205	Industrial Robotics	3	1	-	4
MDE4211	Advanced Computer Aided Design	3	-	-	3
MDE4212	Advanced Computer Aided Design Lab	-	-	2	1
MDE4213	Experimental Stress Analysis	3	1	-	4
Industrial & Production Engineering (Specialization) (Any Three)					12
IPE4204	Mechatronics	3	-	-	3
IPE4213	Mechatronics Lab	-	-	2	1
IPE4205	Welding and Aided Processes	3	1	-	4
IPE4211	Advanced Computer Aided Manufacturing	3	-	-	3
IPE4212	Advanced Computer Aided Manufacturing Lab	-	-	2	1
IPE4214	Quality and Reliability Management	3	1	-	4
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					27

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MAE4301	Total Quality Management & Quality Assurance	3	1	-	4
MAE4335	Summer Internship Evaluation	-	-	-	6
MAE4337	Project-Dissertation-I	-	-	-	5
Thermal Engineering (Specialization) (Any Three)					12
THE4304	Cryogenics	3	1	-	4
THE4309	Advanced Computational Fluid Dynamics	3	-	-	3
THE4310	Advanced Computational Fluid Dynamics Lab	-	-	2	1
THE4311	Micro fluidics & Nano fluidic	3	1	-	4
THE4312	Turbo Machines	3	1	-	4
Machine Design Engineering (Specialization) (Any Three)					12
MDE4302	Advanced Mechanical Vibrations	3	-	-	3
MDE4307	Advanced Mechanical Vibrations Lab	-	-	2	1
MDE4303	Finite Elements Method	3	-	-	3
MDE4308	Finite Elements Method Lab	-	-	2	1
MDE4309	Product Design & Development	3	1	-	4
MDE4310	Advanced Mechanical Design	3	1	-	4
Industrial & Production Engineering (Specialization) (Any Three)					12
IPE4302	Computer Aided Metrology & Inspection	3	-	-	3
IPE4307	Computer Aided Metrology & Inspection Lab	-	-	2	1
IPE4303	Metal Cutting & Tool Design	3	-	-	3
IPE4308	Metal Cutting & Tool Design Lab	-	-	2	1
IPE4304	Production Planning & Control	3	1	-	4
IPE4309	Material Management	3	1	-	4
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				

LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				31

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MAE4437	Project-Dissertation-II	-	-	-	15
	TOTAL				15

13684 M.Tech.- Data Science (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
DSE4101	Advanced Data Structure & Algorithms	3	-	-	3
DSE4102	Advanced Database Management Systems	3	-	-	3
DSE4103	Digital Computer Organization	3	-	-	3
DSE4104	Advanced Computer Networks	3	-	-	3
DSE4105	Advanced Data Structure & Algorithms Lab	-	-	2	1
DSE4106	Advanced Database Management Systems Lab	-	-	2	1
DSE4107	Advanced Computer Networks Lab	-	-	2	1
DSE4108	MATLAB Programming	-	-	4	2
DSE4109	Python Programming Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSE4201	Applied Statistical Analysis	3	-	-	3
DSE4202	Data Mining & Predictive Analytics	3	-	-	3
DSE4203	Data Warehousing & Multi-dimensional Modeling	3	-	-	3
DSE4204	Database & Knowledge Base Systems	3	-	-	3
DSE4205	Big Data Technologies	3	-	-	3
DSE4206	Research Methodology & Technical Report Writing	2	-	-	2
DSE4207	Applied Statistical Analysis Lab	-	-	2	1
DSE4208	Data Mining & Predictive Analytics Lab	-	-	2	1
DSE4209	Data Warehousing & Multi-dimensional Modeling Lab	-	-	2	1
Electives (Select any one)					3
DSE4210	Information Management System	3	-	-	3
DSE4211	Information System Security	3	-	-	3
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II				
LAN4251	French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					28

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSE4301	Descriptive Analysis	3	-	-	3
DSE4302	Learning and Reasoning with Bayesian Networks	3	1	-	4

DSE4303	Social Network Data Analytics	3	-	-	3
DSE4304	R-Programming Lab	-	-	2	1
DSE4305	Hadoop Lab	-	-	4	2
DSE4335	Summer Internship Evaluation	-	-	-	6
DSE4337	Project Dissertation-I	-	-	-	5
	Electives-I				3
DSE4306	Web Technology	3	-	-	3
DSE4307	Service Oriented Architecture	3	-	-	3
	Electives-II				3
DSE4308	Natural Language Processing	3	-	-	3
DSE4309	Agent Based Intelligent Systems	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				34

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSE4437	Project Dissertation-II	-	-	-	15
	TOTAL				15

**131448 M.Tech.-Artificial Intelligence (Total Credits-100)
(Specialisation: (1) Robotics and (2) Machine Learning)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
AIE4101	Advanced Data Structure & Algorithms	3	-	-	3
AIE4102	Advanced Database Management Systems	3	-	-	3
AIE4103	Digital Computer Organization	3	-	-	3
AIE4104	Advanced Computer Networks	3	-	-	3
AIE4105	Advanced Data Structure & Algorithms Lab	-	-	2	1
AIE4106	Advanced Database Management Systems Lab	-	-	2	1
AIE4107	Advanced Computer Networks Lab	-	-	2	1
AIE4108	MATLAB Programming	-	-	4	2
AIE4109	Python Programming Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
AIE4206	Research Methodology & Technical Report Writing	2	-	-	2
Robotics (Specialisation)					18
RBE4201	Fundamental of Robotics System & Robot Programming	3	-	-	3
RBE4202	Advanced Control Systems and Drives for Robots	3	-	-	3
RBE4203	Microprocessor and Interfacing	3	-	-	3
RBE4204	Kinematics & Dynamics of Robots	3	-	-	3
RBE4205	Advanced Applied Mathematics for Engineering	3	-	-	3
RBE4206	Fundamental of Robotics System & Robot Programming Lab	-	-	2	1
RBE4207	Advanced Control Systems & Drives for Robots Lab	-	-	2	1
RBE4208	Microprocessor and Interfacing Lab	-	-	2	1
Robotics (Specialisation) Concentration Electives (Any One)					3
RBE4209	Fundamentals of Artificial Intelligence for Robotics	3	-	-	3
RBE4210	Robotic Simulation & Simultaneous Localization Mapping	3	-	-	3
Machine Learning (Specialisation)					18
MLE4201	Applied Statistical Analysis	3	-	-	3
MLE4202	Data Mining and Predictive Analysis	3	-	-	3
MLE4203	Data Warehousing and Multi-dimensional Modeling	3	-	-	3
MLE4204	Big Data Technologies	3	-	-	3
MLE4205	Applied Statistical Analysis Lab	-	-	2	1
MLE4206	Data Mining and Predictive Analysis Lab	-	-	2	1
MLE4207	Data Warehousing and Multi-dimensional Modeling Lab	-	-	4	2
MLE4208	R-Programming Lab	-	-	4	2
Machine Learning (Specialisation) Concentration Electives (Any One)					3
MLE4209	Database and Knowledge Base Systems	3	-	-	3
MLE4210	Information Management System	3	-	-	3
MLE4211	Fundamental of Artificial Intelligence	3	-	-	3

Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II				
LAN4251	French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					28

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
AIE4335	Summer Internship Evaluation	-	-	-	6
AIE4337	Project Dissertation-I	-	-	-	5
Robotics (Specialisation)					12
RBE4301	Automation in Manufacturing Systems	3	-	-	3
RBE4302	Robotic Sensors, Vision and Hardware Implementation	3	-	-	3
RBE4303	Pattern Recognition & Image Processing	3	-	-	3
RBE4304	Robotic Sensors, Vision and Hardware Implementation Lab	-	-	4	2
RBE4305	Pattern Recognition & Image Processing Lab	-	-	2	1
Robotics (Specialisation) Concentration Electives-I (Any One)					3
RBE4306	Optimization Techniques	3	-	-	3
RBE4307	CNC Machines & Adaptive Control	3	-	-	3
Robotics (Specialisation) Concentration Electives-II (Any One/ One Set)					4
RBE4308	Neural Network and Fuzzy Logic	3	-	-	3
RBE4309	Neural Network and Fuzzy Logic Lab	-	-	2	1
RBE4310	Decision Making Systems	3	-	-	3
RBE4311	Decision Making Systems Lab	-	-	2	1
Machine Learning (Specialisation)					13
MLE4301	Pattern Recognition and Image	3	-	-	3

	Processing				
MLE4302	Neural Network and Fuzzy Logic	3	-	-	3
MLE4303	Natural Language Processing	3	-	-	3
MLE4304	Pattern Recognition and Image Processing Lab	-	-	2	1
MLE4305	Neural Network and Fuzzy Logic Lab	-	-	2	1
MLE4306	Hadoop Lab	-	-	4	2
	Machine Learning (Specialisation) Concentration Electives-I (Any One)				3
MLE4307	Descriptive Analysis	3	-	-	3
MLE4308	Optimization Techniques	3	-	-	3
	Machine Learning (Specialisation) Concentration Electives-II (Any One)				3
MLE4309	Social Network Data Analytics	3	-	-	3
MLE4310	Agent Based Intelligent Systems	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				34

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
AIE4437	Project Dissertation-II	-	-	-	15
	TOTAL				15

131128 M.Tech.- Network and Cyber Security (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
NCE4101	Advanced Data Structure & Algorithms	3	-	-	3
NCE4102	Advanced Database Management Systems	3	-	-	3
NCE4103	Digital Computer Organization	3	-	-	3
NCE4104	Advanced Computer Networks	3	-	-	3
NCE4105	Advanced Data Structure & Algorithms Lab	-	-	2	1
NCE4106	Advanced Database Management Systems Lab	-	-	2	1
NCE4107	Advanced Computer Networks Lab	-	-	2	1
NCE4108	MATLAB Programming	-	-	4	2
NCE4109	Python Programming Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
NCE4201	Mathematical Foundation for Cyber Security	3	-	-	3
NCE4202	Network and Wireless Security	3	-	-	3
NCE4203	Cyber Crime and IT Law	3	-	-	3
NCE4204	Cyber Crime Investigation & Forensics	3	-	-	3
NCE4205	Intrusion Detection & Prevention System	3	-	-	3
NCE4206	Research Methodology & Technical Report Writing	2	-	-	2
NCE4207	Cryptography Foundation Lab	-	-	2	1
NCE4208	Web Security Lab	-	-	2	1
NCE4209	Network Security Lab	-	-	2	1
Electives (Select any one)					3
NCE4210	Big Data Systems	3	-	-	3
NCE4211	Distributed System Security	3	-	-	3
NCE4212	Block Chain Technology	3	-	-	3
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	1
Foreign Business Language-II					
LAN4251	French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					28

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
NCE4301	Biometric Systems & Biometric Image Processing	3	-	-	3
NCE4302	Software Vulnerability Analysis	3	1	-	4

NCE4303	Applied Cryptography	3	-	-	3
NCE4304	Biometric Image Processing Lab	-	-	2	1
NCE4305	Applied Cryptography Lab	-	-	4	2
NCE4335	Summer Internship Evaluation	-	-	-	6
NCE4337	Project Dissertation-I	-	-	-	5
	Electives-I				3
NCE4306	Web Application & Penetration Testing	3	-	-	3
NCE4307	Malware Analysis in Network Security	3	-	-	3
	Electives-II				3
NCE4308	Web Security	3	-	-	3
NCE4309	Digital Watermarking & Stagenography	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				34

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
NCE4437	Project Dissertation-II	-	-	-	15
	TOTAL				15

131588 M.Tech. Defence Technology (Total Credits-80)
 (Specialisation: Combat Vehicle Engineering, Aerospace Technology, Communication Systems & Sensors, Directed Energy Technology, High Energy Materials Technology)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DTE4101	Systems and Warfare Platforms	4	-	-	4
DTE4102	Warfare Simulations & Strategies	4	-	-	4
DTE4103	Advanced Engineering Mathematics	4	-	-	4
DTE4104	Systems and Warfare Platforms Lab	-	-	4	2
DTE4105	Warfare Simulations & Strategies Lab	-	-	4	2
DTE4138	Seminar	-	-	-	1
Electives-I (Any One)					3
DTE4106	Rockets & Missiles Fundamentals	3	-	-	3
DTE4107	Advanced Thermal Engineering	3	-	-	3
DTE4108	Numerical Methods for Science & Engineering	3	-	-	3
DTE4109	Communication Technology	3	-	-	3
DTE4110	Advanced Mechanical Engineering	3	-	-	3
Electives-II (Any One)					3
DTE4111	Autonomy and Navigation Technology	3	-	-	3
DTE4112	Optimization Theory & Applications	3	-	-	3
DTE4113	Military Electronics System Engineering	3	-	-	3
DTE4114	System Engineering & Analysis	3	-	-	3
Audit Course (Non credit course)					
CSS4151	Basics of Communication	1	-	-	0
BEH4151	Self Development and Interpersonal Skills	1	-	-	0
	Foreign Business Language-I	3	-	-	0
LAN4151	French-I				
LAN4152	German-I				

LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
	TOTAL				23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DTE4238	Seminar	-	-	-	1
	Combat Vehicle Engineering (Specialization)				16
DTE4201	Combat Vehicle Dynamics	4	-	-	4
DTE4202	Combat System Engineering	4	-	-	4
DTE4203	Test & Evaluation of Weapon System	4	-	-	4
DTE4204	Combat Vehicle Dynamics Lab	-	-	4	2
DTE4205	Combat System Engineering Lab	-	-	4	2
	Aerospace Technology (Specialization)				16
DTE4206	Aerospace System Configuration, Design & Simulation	4	-	-	4
DTE4207	Guidance & Control	4	-	-	4
DTE4208	Aerospace Propulsion	4	-	-	4
DTE4209	Aerospace System Configuration, Design & Simulation Lab	-	-	4	2
DTE4210	Guidance & Control Lab	-	-	4	2
	Communication Systems & Sensors (Specialization)				16
DTE4211	Radar Technologies	4	-	-	4
DTE4212	Digital & Satellite Communication and Navigation from Space	4	-	-	4
DTE4213	Tactical battlefield Communication & Electronic Warfare	4	-	-	4
DTE4214	Radar Technologies Lab	-	-	4	2
DTE4215	Digital & Satellite Communication and Navigation from Space Lab	-	-	4	2
	Directed Energy Technology (Specialization)				16
DTE4216	Directed Energy Sources (Lasers, Microwave)	4	-	-	4
DTE4217	Beam Control Technology, Target acquisition, Beam Pointing &	4	-	-	4

	Tracking				
DTE4218	Directed Energy Weapons (DEW) System Engineering	4	-	-	4
DTE4219	Directed Energy Sources (Lasers, Microwave) Lab	-	-	4	2
DTE4220	Beam Control Technology, Target acquisition, Beam Pointing & Tracking Lab	-	-	4	2
	High Energy Materials Technology (Specialization)				16
DTE4221	High Energy Materials Modeling & Simulation	4	-	-	4
DTE4222	Munitions and Target Response	4	-	-	4
DTE4223	Manufacturing and Materials Properties of Explosives	4	-	-	4
DTE4224	High Energy Materials Modeling & Simulation Lab	-	-	4	2
DTE4225	Munitions and Target Response Lab	-	-	4	2
	Electives-I (for all specializations) Any One				3
DTE4226	Robotics (MSS, MCC)	3	-	-	3
DTE4227	EMI/ EMC in Military Systems	3	-	-	3
DTE4228	Defence Electro-Optics and Imaging Systems	3	-	-	3
DTE4229	Structural Dynamics and Aeroelasticity	3	-	-	3
DTE4241	Safety, Health & Hazard Management	3	-	-	3
DTE4242	Fundamental of Telemetry, Telecommand & Transponder	3	-	-	3
DTE4243	Jamming and ECM/ ECCM Technologies	3	-	-	3
DTE4244	Software Defined Radios	3	-	-	3
DTE4245	Advanced Lightweight and Composite Structures	3	-	-	3
DTE4246	Test Methodologies for DEW Systems (Lasers & Microwave)	3	-	-	3
DTE4247	Advanced Analytical Techniques/ Lab Testing	3	-	-	3
DTE4248	Sonar System Engineering	3	-	-	3
	Electives-II (for all specializations) Any One				3
DTE4249	Unmanned Aerial Vehicle Design	3	-	-	3
DTE4250	Naval Ocean Analysis and Prediction	3	-	-	3
DTE4261	Modeling & Simulation of Laser Matter Interaction	3	-	-	3
DTE4262	Computational Aerodynamics	3	-	-	3
DTE4263	Launch Vehicle Design & Analysis	3	-	-	3

DTE4264	Acquisition, Tracking & Pointing Technology	3	-	-	3
DTE4265	Data Acquisition, Tracking & Post Flight Analysis	3	-	-	3
DTE4266	Air Independent Propulsion & Batteries	3	-	-	3
DTE4267	Advanced Digital Modulation Technologies & Standards	3	-	-	3
DTE4268	Trajectories Modelling & Simulation	3	-	-	3
DTE4269	Sensor Technology	3	-	-	3
Audit Course (Non credit course)					
DTE4240	Professional Ethics	1	-	-	0
CSS4251	Corporate Communication	1	-	-	0
BEH4251	Behavioural Communication & Relationship Management	1	-	-	0
	Foreign Business Language-II	3	-	-	0
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					23

INDUSTRY INTERNSHIP: Industry Internship of 4 credits will be held at the end of second semester. Evaluation will be done in third semester and credits will be added in third semester.

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DTE4335	Seminar / Industrial Training	-	-	-	4
DTE4337	Project-Dissertation-I	-	-	-	10
TOTAL					14

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DTE4437	Project-Dissertation-II	-	-	-	20
TOTAL					20

13049 B.Sc.-Information Technology (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IFT2109	Mathematics	2	1	-	3
IFT2112	Digital Electronics	3	-	-	3
IFT2114	Computer Fundamentals & Tools	3	-	-	3
IFT2115	Computer Fundamentals & Tools Lab	-	-	2	1
IFT2116	Computer Programming with C Language	3	-	-	3
IFT2118	Computer Programming with C Language Lab	-	-	2	1
Open Electives					9*+3
ENV2152	Environmental Studies*	4	-	-	4
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2151	French-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
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IFT2202	Introduction to Database Management System	3	-	-	3
IFT2211	Data Structure Through C Language	3	-	-	3
IFT2216	Data Structures Using C++ Language Lab	-	-	2	1
IFT2217	Web Technologies	3	-	-	3
IFT2219	Computer Organization & Architecture	3	-	-	3
IFT2220	Web Technologies Lab	-	-	2	1
IFT2222	Discrete Mathematics Structures with Application to CS	2	1	-	3
IFT2223	Introduction to Database Management System Lab	-	-	2	1
Open Electives					5*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving & Creative Thinking*	1	-	-	1
LAN2251	Foreign Language-II* French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)				
TOTAL					26

SUMMER INTERNSHIP-I

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IFT2312	Introduction to Object Oriented Programming with C++	3	-	-	3
IFT2314	Operating System	3	-	-	3
IFT2315	Object Oriented Programming with C++ Lab	-	-	2	1
IFT2319	Software Engineering	3	-	-	3
IFT2320	Operating System Lab	-	-	2	1
IFT2321	Fuzzy Logic	3	-	-	3
IFT2323	Accounting & Financial Management	3	-	-	3
IFT2335	Summer Internship Evaluation-I	-	-	-	3

Open Electives					4*+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
LAN2351	Foreign Language-III*	2	-	-	2
LAN2351	French-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IFT2413	Design & Analysis of Algorithm	3	-	-	3
IFT2418	Data Communication & Computer Networks	3	-	-	3
IFT2420	Data Communication & Computer Networks Lab	-	-	2	1
IFT2421	Design & Analysis of Algorithm Lab	-	-	2	1
IFT2422	Computer Graphics	3	-	-	3
IFT2423	Computer Graphics Lab	-	-	2	1
IFT2424	Multimedia & Its Applications	3	-	-	3
Open Electives					4*+3
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

SUMMER INTERNSHIP-II

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IFT2510	Java Programming	3	-	-	3
IFT2511	Java Programming Lab	-	-	2	1
IFT2517	Computer Oriented Numerical Methods	3	-	-	3
IFT2522	Linux	2	-	-	2
IFT2523	Linux Lab	-	-	2	1
IFT2525	Basics of Cloud Computing	3	1	-	4
IFT2535	Summer Internship Evaluation-II	-	-	-	3
Open Electives					4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual Society and Nations*	1	-	-	1
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IFT2616	Computer Oriented Statistical & Optimization Methods	3	-	-	3
IFT2618	Introduction to Open Source Technologies (PHP, MySQL)	3	-	-	3
IFT2620	Introduction to Open Source Technologies (PHP, MySQL) Lab	-	-	2	1
IFT2622	Internet of Things	3	1	-	4
IFT2637	Major Project / Dissertation	-	-	-	6
Concentration Electives					3
IFT2604	Data Warehousing & Data Mining	3	-	-	3
IFT2611	Mobile Computing	3	-	-	3
IFT2619	E-Commerce	3	-	-	3
IFT2621	Cryptography & Network Security	3	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

*Compulsory

13048 Bachelor of Computer Application (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2109	Mathematics-I	2	1	-	3
IFT2111	Computer Fundamentals	3	-	-	3
IFT2112	Digital Electronics	3	-	-	3
IFT2116	Computer Programming with C Language	3	-	-	3
IFT2117	Computer Fundamentals Lab	-	-	2	1
IFT2118	Computer Programming with C Language Lab	-	-	2	1
Open Electives					9*+3
ENV2152	Environmental Studies*	4	-	-	4
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2151	French-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2210	Mathematics-II	2	1	-	3
IFT2211	Data & File Structure using C	3	-	-	3

IFT2216	Data & File Structures using C Lab	-	-	2	1
IFT2217	Web Technologies	3	-	-	3
IFT2218	Database Management System	3	-	-	3
IFT2219	Computer Organization & Architecture	3	-	-	3
IFT2220	Web Technologies Lab	-	-	2	1
IFT2221	Database Management System Lab	-	-	2	1
Open Electives					5*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving & Creative Thinking*	1	-	-	1
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SUMMER INTERNSHIP-I THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2312	Object Oriented Programming with C++	3	-	-	3
IFT2314	Operating System	3	-	-	3
IFT2315	Object Oriented Programming with C++ Lab	-	-	2	1
IFT2317	Discrete Mathematical Structure with Applications to CS	3	-	-	3
IFT2318	Management Information System	3	-	-	3
IFT2319	Fundamentals of Software Engineering	3	-	-	3
IFT2320	Operating System Lab	-	-	2	1
IFT2335	Summer Internship Evaluation-I	-	-	-	3
Open Electives					4*+3
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1

LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2413	Basics of Algorithm	3	-	-	3
IFT2418	Computer Networks	3	-	-	3
IFT2419	Principles of Management	3	-	-	3
IFT2420	Computer Networks Lab	-	-	2	1
IFT2421	Basics of Algorithm Lab	-	-	2	1
IFT2424	Multimedia & Its Applications	3	1	-	4
Open Electives					4*+3
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

SUMMER INTERNSHIP-II

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2510	Core Java Programming	3	-	-	3
IFT2511	Core Java Programming Lab	-	-	2	1

IFT2518	Accounting & Financial Management	3	-	-	3
IFT2519	Basics of Computer Graphics	3	-	-	3
IFT2520	Basics of Computer Graphics Lab	-	-	2	1
IFT2524	Statistics and Probability Theory	3	-	-	3
IFT2535	Summer Internship Evaluation-II	-	-	-	3
Open Electives					4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual Society and Nations*	1	-	-	1
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorials (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT2616	Computer Oriented Statistical & Optimization Methods	3	-	-	3
IFT2618	Introduction to Open Source Technologies (PHP, MySQL)	3	-	-	3
IFT2620	Introduction to Open Source Technologies Lab	-	-	2	1
IFT2622	Internet of Things	3	1	-	4
IFT2637	Major Project / Dissertation	-	-	-	6
Concentration Electives					3
IFT2604	Data Warehousing & Data Mining	3	-	-	3
IFT2611	Mobile Computing	3	-	-	3
IFT2619	E-Commerce	3	-	-	3
IFT2621	Cryptography & Network Security	3	-	-	3
Open Electives					2*+3
CSS2651	Workspace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

131450 Master of Computer Application (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT4101	Data Communication and Computer Networks	3	-	-	3
IFT4102	Design and Analysis of Algorithm	3	1	-	4
IFT4103	Software Engineering	3	-	-	3
IFT4104	Computer Graphics and Multimedia Systems	3	-	-	3
IFT4105	Data Communication and Computer Networks Lab	-	-	2	1
IFT4106	Design and Analysis of Algorithm Lab	-	-	2	1
IFT4107	Computer Graphics and Multimedia Systems Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					21

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course	Course Title	Lecture	Tutorial	Practical	Total
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Code		(L) Hours Per week	(T) Hours Per week	(P) Hours Per week	Credits
IFT4201	Mobile Computing	3	-	-	3
IFT4202	Programming with Java	3	-	-	3
IFT4203	Software Project Management	3	-	-	3
IFT4204	Artificial Intelligence	3	-	-	3
IFT4205	Programming with Java Lab	-	-	4	2
IFT4206	Software Project Management Lab	-	-	2	1
IFT4207	Artificial Intelligence Lab	-	-	2	1
IFT4238	Seminar	-	-	-	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT4301	Data Warehousing & Data Mining	3	-	-	3
IFT4302	Programming with dot NET Framework	4	-	-	4
IFT4303	Network Security & Cryptography	3	1	-	4
IFT4304	Soft Computing	3	-	-	3
IFT4305	Data Warehousing & Data Mining Lab	-	-	2	1
IFT4306	Programming with dot NET Framework Lab	-	-	4	2
IFT4307	Soft Computing Lab	-	-	2	1
IFT4331	Term Paper	-	-	-	2
IFT4335	Summer Internship Evaluation	-	-	-	5
Concentration Electives (Any One Set)					4

IFT4308	Android Programming	3	-	-	3
IFT4309	Android Programming Lab	-	-	2	1
IFT4310	Digital Image Processing	3	-	-	3
IFT4311	Digital Image Processing Lab	-	-	2	1
IFT4312	Big Data	3	-	-	3
IFT4313	Big Data Lab	-	-	2	1
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					33

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
IFT4401	Machine Learning using Python	3	-	-	3
IFT4402	Cloud Computing	3	-	-	3
IFT4403	Machine Learning using Python Lab	-	-	4	2
IFT4437	Major Project / Dissertation	-	-	-	15
TOTAL					23

131037 M.Sc.-Renewable Energy (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
RWE4101	Renewable Energy Conversion Systems	3	-	-	3
RWE4102	Introduction to Solar Photovoltaics	3	1	-	4
RWE4103	Introduction to Solar Thermal Technology	3	1	-	4
RWE4104	Biomass	3	1	-	4
RWE4106	Field Work-I / Seminar-I	-	-	-	1
RWE4107	Solar Radiation Measurement & Analysis Lab	-	-	4	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
Foreign Business Language-I		3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
RWE4201	Solar Thermal Systems	4	-	-	4

RWE4202	Fabrication of Solar Cells: Material & Designing Aspects	4	-	-	4
RWE4211	Instrumental Techniques and Characterization	4	-	-	4
RWE4204	Energy Storage	3	-	-	3
RWE4206	Solar PV & Thermal Lab	-	-	4	2
Electives (without lab)					4
RWE4205	Financial Evaluation of Renewable Energy Systems	3	1	-	4
RWE4207	Energy Access and Planning	3	1	-	4
RWE4208	Wind Energy	3	1	-	4
RWE4209	Risk Management in Renewable Energy Projects	3	1	-	4
RWE4210	Fundamentals of Nuclear Power Generation-I	3	1	-	4
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and Relationship Management	1	-	-	1
Foreign Business Language-II		3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

SUMMER INTERNSHIP

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
RWE4301	Modelling and Simulation of Solar Thermal Systems	4	-	-	4
RWE4302	Designing of Solar Rooftop Grid/Off-grid PV System	4	-	-	4
RWE4304	Solar and Wind Energy Meteorology	3	-	-	3
RWE4305	Solar Power Generation Lab	-	-	4	2

RWE4309	Large Scale Grid Integration of Renewable Energy Sources	3	1	-	4
RWE4306	Field Work-II/ Seminar-II	-	-	-	1
RWE4335	Summer Internship Evaluation	-	-	-	6
	Electives (without lab) Any One				4
RWE4303	Biofuels and Biomethanation	3	1	-	4
RWE4307	Designing of Solar Projects	3	1	-	4
RWE4308	Thermoelectric Systems and Devices	3	1	-	4
RWE4310	Smart Grids and Renewables	3	1	-	4
RWE4311	Wind Energy: Energy Conversion and Design of Turbines	3	1	-	4
RWE4312	Fundamentals of Nuclear Power Generation-II	3	1	-	4
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				32

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Self Study	Total Credits
RWE4401	Energy Management	3	-	-	-	3
RWE4402	Energy Policy	3	-	-	-	3
RWE4403	Green Buildings	3	-	-	-	3
RWE4437	Dissertation/ Seminar & Progress Report/ Comprehensive Viva	-	-	-	-	10
	TOTAL					19

13208 M.Tech.- Solar and Alternate Energy (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SAE4101	Renewable Energy Conversion Systems	3	-	-	3
SAE4102	Basics of Mechanical Engineering	4	-	-	4
SAE4103	Basics of Electronic Devices & Circuits	4	-	-	4
SAE4104	Instrumentation Techniques & Characterization	4	-	-	4
SAE4106	Biomass	4	-	-	4
SAE4107	Basics of Mechanical Engg Lab	-	-	2	1
SAE4108	Electronics Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SAE4201	Solar Thermal Engineering: Conversion and Storage; Flat plate Collectors and Concentrators	4	-	-	4
SAE4202	Solar Photovoltaic cells: Physics & Fabrication Technique	4	-	-	4
SAE4203	Solar Energy Storage Systems	3	-	-	3
SAE4204	Energy Management related to Renewable Energy Systems	3	-	-	3
SAE4206	Solar PV Lab	-	-	4	2
SAE4210	Lab Project	-	-	-	2
Elective-I (Without Lab) Any One					4
SAE4205	Financial Evaluation of Renewable Energy Technologies	3	1	-	4
SAE4207	Renewable Energy for Heat Applications	3	1	-	4
SAE4208	Wind Energy	3	1	-	4
SAE4209	Organic Photovoltaic	3	1	-	4
SAE4211	Energy Access and Planning	3	1	-	4
SAE4212	Risk Management in Renewable Energy Projects	3	1	-	4
SAE4213	Fundamentals of Nuclear Power Generation-I	3	1	-	4
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					27

**SUMMER PROJECT
THIRD SEMESTER**

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
SAE4301	Modelling and Simulation of Solar Thermal Systems	4	-	-	4
SAE4302	Design & Engineering of Solar PV Cells and Panels	4	-	-	4
SAE4309	Large Scale Grid Integration of Renewable Energy Sources	4	-	-	4
SAE4310	Solar and Wind Energy Meteorology	3	-	-	3
SAE4305	Solar Thermal Lab	-	-	4	2
SAE4335	Summer Internship Evaluation	-	-	-	6
Elective-II (Without Lab) Any One					4
SAE4306	Biofuels & Biomethanation	3	1	-	4
SAE4307	Wind Energy: Energy Conversion & Design of Turbines and Small Hydro Systems	3	1	-	4
SAE4311	Designing of Solar Projects	3	1	-	4
SAE4312	Thermoelectric Systems and Devices	3	1	-	4
SAE4313	Smart Grids and Renewable	3	1	-	4
SAE4314	Advanced Energy Systems	3	1	-	4
SAE4315	Fundamentals of Nuclear Power Generation-II	3	1	-	4
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					31

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Self Study	Total Credits
SAE4401	Energy Policy	3	-	-	-	3
SAE4402	Green Buildings	3	-	-	-	3
SAE4437	Dissertation /Seminar & Progress Report /Comprehensive Viva	-	-	-	-	10
	TOTAL					16

**AMITY SCHOOL OF EARTH & ENVIRONMENT
SCIENCES**

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PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13751 B.Sc. (Honors) Earth Sciences (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2101	Basics of Earth System Sciences	3	-	-	3
ESC2102	Earth Surface Features & Processes	3	-	-	3
ESC2105	Mathematics-I	2	-	-	2
ESC2109	Physics-I	2	-	-	2
ESC2110	Chemistry-I	2	-	-	2
ESC2111	Biology	2	-	-	2
ESC2107	Chemistry Laboratory	-	-	2	1
ESC2108	Field Survey-I	-	-	-	2
Open Electives					*7+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2201	Crystallography & Mineralogy	3	-	-	3
ESC2206	Mathematics-II	2	-	-	2
ESC2210	Structural Geology	3	-	-	3

ESC2211	Physics-II	2	-	-	2
ESC2212	Chemistry-II	2	-	-	2
ESC2208	Earth Science Laboratory-I	-	-	4	2
ESC2209	Field Survey-II	-	-	-	2
Open Electives					*7+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem solving and creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SUMMER PROJECT- I

SUMMER PROJECT/INTERNSHIP (DURING SUMMER BREAK: Summer Internship will be held at the end of 2nd Semester (4-6 weeks), evaluation will be done at end of 3rd Semester.)

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2301	Igneous Petrology	3	-	-	3
ESC2302	Sedimentology	2	-	-	2
ESC2303	Metamorphic Petrology	2	-	-	2
ESC2304	Atmospheric Science	2	-	-	2
ESC2309	Marine Science	2	-	-	2
ESC2307	Earth Science Laboratory-II	-	-	4	2
ESC2308	Field Survey-III	-	-	-	3
ESC2335	Summer Project Evaluation-I	-	-	-	3
Open Electives					*4+3

LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2405	Economic Geology	2	-	-	2
ESC2406	Geochemistry	3	-	-	3
ESC2410	Remote Sensing & GIS	3	-	-	3
ESC2412	Geophysics	2	-	-	2
ESC2413	Paleontology	2	-	-	2
ESC2408	Earth Science Laboratory-III	-	-	4	2
ESC2409	Field Survey-IV	-	-	-	3
	Open Electives				*4+3
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SUMMER PROJECT-II (4-6 WEEKS)

SUMMER PROJECT/INTERNSHIP (DURING SUMMER BREAK: Summer Internship will be held at the end of 4thSemester (4-6 weeks), evaluation will be done at end of 5thSemester.)

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2503	Exploration Geology	2	-	-	2
ESC2509	Stratigraphy of India	3	-	-	3
ESC2510	Engineering Geology	2	-	-	2
ESC2511	Hydrogeology	2	-	-	2
ESC2507	Earth Science Laboratory-IV	-	-	4	2
ESC2508	Field Survey-V	-	-	-	3
ESC2535	Summer Project Evaluation-II	-	-	-	6
Open Electives					*4+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ESC2603	Coal and Petroleum Geology	3	-	-	3
ESC2604	Hazard Assessment & Risk Management	2	-	-	2
ESC2633	Workshop / Seminar / Conference/ Symposium	-	-	-	1
ESC2637	Dissertation	-	-	-	9
Open Electives					*2+3

CSS2651	Workplace Communication	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				20

13619 M.Sc. Environmental Sciences & Management (Total Credit-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical/Field work (P) Hours Per Week	Total Credit
ENV4101	Ecology and Ecosystem Dynamics	3	-	-	3
ENV4102	Earth System Sciences	3	-	-	3
ENV4103	Environmental Biology	2	-	-	2
ENV4109	Chemistry of Environment	3	-	-	3
ENV4110	Environmental Physics & Energy	3	-	-	3
ENV4111	Basic Mathematics	2	-	-	2
ENV4107	Analytical Laboratory-I	-	-	6	3
ENV4131	Term Paper/Seminar	-	-	-	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self-Development and Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical/Field work (P) Hours Per Week	Total Credit
ENV4201	Pollution Control and Management	3	-	-	3
ENV4204	Environmental Analysis: Tools and Techniques	3	-	-	3
ENV4209	Atmospheric Science & Climate Change	3	-	-	3
ENV4210	Geoinformatics for Environmental Management	3	-	-	3
ENV4211	Statistical Tools and Research Methodology	2	-	-	2
ENV4212	Analytical Laboratory-II	-	-	6	3
ENV4231	Term Paper/Seminar	-	-	-	1
ENV4232	Project (Field Survey)	-	-	-	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					25

SUMMER INTERNSHIP (DURING SUMMER BREAK): Summer Internship will be held at the end of 2nd Semester (4-6 weeks), evaluation will be done in the 3rd Semester and credits will be added in the 3rd Semester.)

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical/ Field work (P) Hours Per Week	Total Credit
ENV4301	Environmental Conservation and Sustainable Development	3	-	-	3
ENV4313	Water Resources Management	3	-	-	3
ENV4314	Eco-toxicology, Health and Safety	3	-	-	3
ENV4315	Waste Management & Valorization	2	-	-	2
ENV4316	Analytical Laboratory -III	-	-	6	3
ENV4317	Environmental Economics	2	-	-	2
ENV4331	Term Paper/Seminar/ Workshop/ Conference/ Training	-	-	-	1
ENV4335	Summer Internship Evaluation + Project Formulation	-	-	-	6
Concentration Electives (Any One)					3
ENV4309	Environmental Biotechnology	3	-	-	3
ENV4310	Environmental Geology	3	-	-	3
ENV4311	Green Energy	3	-	-	3
ENV4312	Waste Water Treatment	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
LAN4359	Hindi-III				
TOTAL					30

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical/Field work (P) Hours Per Week	Total Credit
ENV4401	Environmental Law and Environmental Impact Assessment	3	-	-	3
ENV4402	Urban Ecosystem and Industrial Ecology	2	-	-	2
ENV4403	Natural Hazards and Disaster Management	2	-	-	2
ENV4431	Term Paper/Seminar (Research Article)	-	-	-	1
ENV4437	Research based Project work**	-	-	-	12
	TOTAL				20

**Student will be sent to laboratories at universities, national institute and industries for their project based research work during 4th semester. At the end of 4th semester student will be evaluated on the basis of dissertation followed by presentation of their research work.

AMITY INSTITUTE OF BIOTECHNOLOGY

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PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13044 B.Sc.-Biotechnology (Hons) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2101	Plant Sciences-I	2	1	-	3
BTH2102	Animal Sciences-I	2	1	-	3
BTH2103	Computers Applications	2	1	-	3
BTH2104	Plant Sciences-I Lab	-	-	2	1
BTH2105	Animal Sciences-I Lab	-	-	2	1
BTH2106	Computers Applications Lab	-	-	2	1
Concentration Electives					3
BTH2107	Microbial Biotechnology	3	-	-	3
BTH2108	Food Biotechnology	3	-	-	3
BTH2109	Agriculture Biotechnology	3	-	-	3
BTH2131	Term Paper	2	-	-	2
BTH2132	Project (with Presentation & Evaluation)	-	-	-	3
BTH2133	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2134	Study Abroad	-	-	-	3
Open Electives					9*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self Effectiveness*	1	-	-	1
ENV2152	Environmental Studies*	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2201	Plant Sciences-II	2	1	-	3
BTH2202	Animal Sciences-II	2	1	-	3
BTH2203	Animal Physiology	2	-	-	2
BTH2204	Plant Physiology	2	-	-	2
BTH2205	Plant sciences-II Lab	-	-	2	1
BTH2206	Animal sciences-II Lab	-	-	2	1
BTH2207	Plant Physiology Lab	-	-	2	1
BTH2208	Animal Physiology Lab	-	-	2	1
Concentration Electives					3
BTH2209	Molecular Modeling	3	-	-	3
BTH2210	Bio-safety and Bioethics	3	-	-	3
BTH2211	Bioinformatics	2	1	-	3
BTH2231	Term Paper	-	-	-	2
BTH2232	Project(with Presentation &Evaluation)	-	-	-	3
BTH2233	Workshop/ Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2234	Study Abroad	-	-	-	3
Open Electives					5*+3
LAN2251	Foreign Language-II* French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2301	Biochemistry	2	1	-	3
BTH2302	Microbiology	2	1	-	3
BTH2303	Enzymology	2	1	-	3
BTH2304	Genetics & Cell Biology	2	1	-	3
BTH2305	Biochemistry Lab	-	-	2	1
BTH2306	Microbiology Lab	-	-	2	1
BTH2307	Enzymology Lab	-	-	2	1
BTH2308	Genetics & Cell Biology Lab	-	-	2	1
Concentration Electives					3
BTH2309	Intellectual property rights	3	-	-	3
BTH2310	Pharmaceutical Biotechnology	3	-	-	3
BTH2311	Clinical Biotechnology	3	-	-	3
BTH2331	Term Paper	-	-	-	2
BTH2332	Project(with Presentation &Evaluation)	-	-	-	3
BTH2333	Workshop/ Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2334	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language-III* French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*				
BEH2351	Group Dynamics and Team Buildings*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2401	Molecular Biology	3	-	-	3
BTH2402	Introductory Immunology	3	-	-	3
BTH2403	Instrumentation & Bioanalytical techniques	2	-	-	2
BTH2404	Research Methodology	2	-	-	2
BTH2405	In Silico analysis of Biomolecules	2	-	-	2
BTH2406	Molecular Biology Lab	-	-	2	1
BTH2407	Introductory Immunology Lab	-	-	2	1
BTH2408	In Silico analysis of Biomolecules Lab	-	-	2	1
Concentration Electives					3
BTH2409	Nano Biotechnology	2	1	-	3
BTH2410	Forensic Biotechnology	2	1	-	3
BTH2411	Genetically Modified Organism	2	1	-	3
BTH2431	Term Paper	2	-	-	2
BTH2432	Project (with Presentation & Evaluation)	-	-	-	3
BTH2433	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2434	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*				
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2501	Animal Biotechnology	2	-	-	2

BTH2502	PlantBiotechnology	2	-	-	2
BTH2503	Stem Cell & Gene Therapy	3	-	-	3
BTH2504	Marine biotechnology	3	-	-	3
BTH2505	Biosensors	3	-	-	3
BTH2509	Animal Biotechnology Lab	-	-	2	1
BTH2510	Plant Biotechnology Lab	-	-	2	1
Concentration Electives					3
BTH2506	Modern Killer diseases	3	-	-	3
BTH2507	Biofuels and Green Biotechnology	3	-	-	3
BTH2508	Artificial Neural Network	3	-	-	3
BTH2511	Introductory Nanobiotechnology	3	-	-	3
BTH2512	Integrated Biomaterials	3	-	-	3
BTH2531	Term Paper	2	-	-	2
BTH2532	Project (with Presentation & Evaluation)	-	-	-	3
BTH2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2534	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
BTH2601	Recombinant DNA Technology	3	-	-	3
BTH2602	Genomics & Proteomics	2	-	-	2
BTH2603	Industrial Biotechnology	3	-	-	3
BTH2604	Stress Biology	3	-	-	3
BTH2605	Recombinant DNA Technology Lab	-	-	4	2
BTH2609	Genomics & Proteomics Lab	-	-	2	1
Concentration Electives					3

BTH2606	Biosafety Management	3	-	-	3
BTH2607	Drug Design and Development	3	-	-	3
BTH2608	Bioprocess Technology	3	-	-	3
BTH2631	Term Paper	2	-	-	2
BTH2632	Project (with Presentation & Evaluation)	-	-	-	3
BTH2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
BTH2634	Study Abroad	-	-	-	3
Open Electives					2*+3
CSS2651	Work Place Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

13692 B.Sc. (Honors) Biological Science (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2101	Plant Diversity-I	3	-	-	3
BLS2102	Animal Diversity-I	3	-	-	3
BLS2103	Chemistry-I	2	1	-	3
BLS2104	Physics-I	2	1	-	3
BLS2105	Mathematics-I	2	1	-	3
BLS2106	Plant & Animal Diversity Lab-I	-	-	4	2
BLS2107	Chemistry Lab-I	-	-	2	1
BLS2108	Physics Lab-I	-	-	2	1
Open Electives					9*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies *	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					31

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2201	Plant Diversity II	3	-	-	3
BLS2202	Animal Diversity II	3	-	-	3
BLS2203	Chemistry II	2	1	-	3
BLS2204	Physics II	2	1	-	3
BLS2205	Mathematics II	2	1	-	3
BLS2206	Plant & Animal Diversity Lab II	-	-	4	2
BLS2207	Chemistry Lab II	-	-	2	1
BLS2208	Physics Lab II	-	-	2	1
Open Electives					5*+3
LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian -II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2301	Plant Anatomy	2	-	-	2
BLS2302	Animal Anatomy	2	-	-	2
BLS2303	Cell Biology	3	-	-	3
BLS2304	Genetics	3	-	-	3
BLS2305	Plant & Animal Anatomy Lab	-	-	4	2
BLS2306	Cell biology & Genetics Lab	-	-	2	1

BLS2332	Project (with Presentation & Evaluation)	-	-	-	4
Open Electives					4*+3
LAN2351	Foreign Language – III *	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian -III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2401	Plant Physiology	2	-	-	2
BLS2402	Animal Physiology	2	-	-	2
BLS2403	Microbiology	3	-	-	3
BLS2404	Biostats & Bioinformatics	2	1	-	3
BLS2405	Ecology & Evolution	3	-	-	3
BLS2406	Plant & Animal Physiology Lab	-	-	4	2
BLS2407	Microbiology Lab	-	-	2	1
Open Electives					4*+3
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian -IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

SUMMER PROJECT

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2501	Molecular Biology	3	-	-	3
BLS2502	Biochemistry	3	-	-	3
BLS2503	Immunology	3	-	-	3
BLS2504	Bio-analytical & Biophysical Techniques	2	-	-	2
BLS2505	Biomaterials	2	-	-	2
BLS2506	Molecular Biology Lab	-	-	2	1
BLS2507	Immunology Lab	-	-	2	1
BLS2508	Biochemistry & Bio-analytical Lab	-	-	2	1
BLS2535	Summer Internship Project (Evaluation)	-	-	-	4
Open Electives					4*+3
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian -V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*				
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
BLS2601	Recombinant DNA Technology	3	-	-	3
BLS2602	Genomics & proteomics	3	-	-	3
BLS2603	IPR, Biosafety & Bioethics	2	-	-	2
BLS2604	Applied Biology	3	-	-	3

BLS2605	Recombinant DNA Technology Lab	-	-	2	1
BLS2606	Applied Biology Lab	-	-	2	1
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				18

* Compulsory

13041 B.Tech. - Biotechnology (Total Credits-195)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2104	Introduction to Computers & Programming in 'C'	2	1	-	3
BTE2106	Electrical Science	2	1	-	3
BTE2108	Programming in C Lab	-	-	2	1
BTE2110	Electrical Science Lab	-	-	2	1
BTE2111	Engineering Mathematics-I	3	1	-	4
BTE2112	Engineering Chemistry	2	-	-	2
BTE2113	Engineering Chemistry Lab	-	-	2	1
Open Electives					5
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Foreign Language-I*	3	-	-	3
LAN2170	French for Technology-I				
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					20

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2203	Object Oriented Programming in C++	2	1	-	3
BTE2205	Object Oriented Programming in C++ Lab	-	-	2	1
BTE2206	Engineering Graphics Lab	-	-	2	1
BTE2207	Engineering Mathematics-II	3	1	-	4
BTE2208	Engineering Physics	2	1	-	3
BTE2209	Engineering Physics Lab	-	-	2	1

BTE2210	Life Sciences	3	-	-	3
Open Electives					9
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
LAN2270	Foreign Language – II*	3	-	-	3
LAN2252	French for Technology-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2301	Cell Biology & Genetics	3	-	-	3
BTE2302	Biochemistry	3	-	-	3
BTE2303	Biostatistics	3	-	-	3
BTE2304	Database Management System	2	-	-	2
BTE2305	Chemical Biology	2	-	-	2
BTE2306	Biochemistry Lab	-	-	4	2
BTE2307	Cell Biology & Genetics Lab	-	1	2	2
BTE2308	Database Management System Lab	-	-	2	1
Concentration Electives					2
BTE2309	Industrial Biotechnology	2	-	-	2
BTE2310	Fermentation technology	2	-	-	2
BTE2311	Drug Design and Development	2	-	-	2
BTE2312	Recombinant DNA Technology	2	-	-	2
BTE2331	Term Paper	-	-	-	2
BTE2332	Project (with Presentation & Evaluation)	-	-	-	2
BTE2333	Workshop / Certification (Discipline Specific)	-	-	-	2
BTE2334	Study Abroad	-	-	-	2
Open Electives					4*+3
CSS2151	Effective Listening *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1

LAN2370	Foreign Language-III *	2	-	-	2
LAN2352	French for Technology- III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2401	Microbiology	3	-	-	3
BTE2402	Data Structure & Algorithms	2	-	-	2
BTE2403	Enzymology & Enzyme Technology	3	-	-	3
BTE2404	Chemical Engineering Principles	2	-	-	2
BTE2405	Methods and Instrumentation in Biotechnology	3	-	-	3
BTE2406	Microbiology Lab	-	-	4	2
BTE2407	Data Structure & Algorithms Lab	-	-	2	1
BTE2408	Enzymology & Enzyme Technology Lab	-	-	2	1
BTE2409	Methods and Instrumentation in Biotechnology Lab	-	-	2	1
Concentration Electives					2
BTE2410	Marine Biotechnology	2	-	-	2
BTE2411	Vaccine Development	2	-	-	2
BTE2412	Agricultural Biotechnology	2	-	-	2
BTE2413	Natural products and medicinal chemistry	2	-	-	2
BTE2414	Stem cell Technology	2	-	-	2
BTE2431	Term Paper	-	-	-	2
BTE2432	Project (with Presentation & Evaluation)	-	-	-	2
BTE2433	Workshop / Certification (Discipline Specific)	-	-	-	2
BTE2434	Study Abroad	-	-	-	2
Open Electives					4*+3
CSS2251	Presentation Skills*	1	-	-	1

BEH2451	Stress and Coping Strategies*	1	-	-	1
LAN2470	Foreign Language-IV*	2	-	-	2
LAN2452	French for Technology-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

SUMMER INTERNSHIP FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2501	Molecular Biology	3	-	-	3
BTE2502	Animal Biotechnology	3	-	-	3
BTE2503	Plant Biotechnology	3	-	-	3
BTE2504	Bioinformatics	3	-	-	3
BTE2505	Molecular Biology Lab	-	-	2	1
BTE2506	Animal Biotechnology Lab	-	-	4	2
BTE2507	Plant Biotechnology Lab	-	-	4	2
BTE2508	Bioinformatics Lab	-	-	2	1
BTE2535	Summer Internship Evaluation-I	-	-	-	3
Concentration Electives					2
BTE2509	Biofuels & Green Technology	2	-	-	2
BTE2510	Stem Cells and Tissue Engineering	2	-	-	2
BTE2511	Java-I	1	-	2	2
BTE2531	Term Paper	-	-	-	2
BTE2532	Project (with Presentation & Evaluation)	-	-	-	2
BTE2533	Workshop / Certification (Discipline Specific)	-	-	-	2
BTE2534	Study Abroad	-	-	-	2
Open Electives					4*+3
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1

LAN2570	Foreign Language – V*	2	-	-	2
LAN2552	French for Technology-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					30

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2601	Recombinant DNA Technology	3	-	-	3
BTE2602	Bioprocess Technology	3	-	-	3
BTE2603	Immunology & Immunotechnology	3	-	-	3
BTE2604	Fundamentals of Biochemical Engineering	2	-	-	2
BTE2605	Recombinant DNA Technology Lab	-	-	4	2
BTE2606	Bioprocess Technology Lab	-	-	4	2
BTE2607	Immunology & Immunotechnology Lab	-	-	2	1
Concentration Electives					2
BTE2608	Pharmaceutical Biotechnology	2	-	-	2
BTE2609	Molecular modeling	2	-	-	2
BTE2610	Artificial Neural network	2	-	-	2
BTE2611	JAVA –II	1	-	2	2
BTE2612	RNA Biology	2	-	-	2
BTE2631	Term Paper	-	-	-	2
BTE2632	Project (with Presentation & Evaluation)	-	-	-	2
BTE2633	Workshop / Certification (Discipline Specific)	-	-	-	2
BTE2634	Study Abroad	-	-	-	2
Open Electives					4*+3
CSS2451	Corporate Communication *	1	-	-	1
BEH2652	Interpersonal Communication	1	-	-	1

LAN2670	Foreign Language – VI*	2	-	-	2
LAN2652	French for Technology-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

**SUMMER INTERNSHIP
SEVENTH SEMESTER**

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2701	Genomics & Proteomics	3	-	-	3
BTE2702	IPR, Biosafety & Bioethics	2	-	-	2
BTE2703	Research Methodology & Report Writing	2	-	-	2
BTE2704	Genomics & Proteomics Lab	-	-	4	2
BTE2735	Summer Internship Evaluation-II	-	-	-	3
	Concentration Electives				2
BTE2705	Bioprocess Plant Designing	2	-	-	2
BTE2706	Molecular Medicine & Diagnosis	2	-	-	2
BTE2707	Applications of Plant Biotechnology	2	-	-	2
BTE2708	Bioenergy Engineering	2	-	-	2
BTE2709	Advanced Nanobiotechnology	2	-	-	2
BTE2731	Term Paper	-	-	-	2
BTE2732	Project (with Presentation & Evaluation)	-	-	-	2
BTE2733	Workshop/ Certification (Discipline Specific)	-	-	-	2
BTE2734	Study Abroad	-	-	-	2
	Open Electives				4*+3
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1

LAN2770	Foreign Language-VII*	2	-	-	2
LAN2752	French for Technology-VII				
LAN2753	German-VII				
LAN2754	Spanish-VII				
LAN2755	Russian-VII				
LAN2756	Chinese-VII				
LAN2757	Portuguese-VII				
LAN2758	Korean-VII				
LAN2759	Japanese-VII				
	Hindi-VII				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					21

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE2837	Dissertation / Project Report Presentation / Viva Voce	-	-	-	17
Open Electives					3
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					20

13002 M.Sc.- Biotechnology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTH4101	Biochemistry	3	-	-	3
BTH4103	Microbiology	2	-	-	2
BTH4104	Genetics	2	-	-	2
BTH4111	Cell and Molecular Biology	3	-	-	3
BTH4112	Plant and Animal Biotechnology	3	-	-	3
BTH4113	Basics of Mathematics & Statistics	2	-	-	2
BTH4114	Basics of Chemistry & Physics	2	-	-	2
BTH4109	Microbiology Lab	-	-	2	1
BTH4115	Biochemistry and Analytical Techniques Lab	-	-	4	2
BTH4116	Plant & Animal Biotechnology Lab	-	-	4	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTH4203	Immunology	3	-	-	3
BTH4210	Genetic Engineering	3	-	-	3

BTH4211	Bioinformatics	3	-	-	3
BTH4212	Genomics and Proteomics	2	-	-	2
BTH4213	Molecular Diagnostics	2	-	-	2
BTH4214	Research Methodology & Scientific Communication Skills	2	-	-	2
BTH4209	Immunology Lab	-	-	4	2
BTH4215	Molecular Biology and Genetic Engineering Lab	-	-	8	4
BTH4238	Seminar	-	-	-	1
	Electives (Select any One)				2
BTH4204	Environmental Biotechnology	2	-	-	2
BTH4216	Biological Imaging	2	-	-	2
BTH4217	Computational Biology	2	-	-	2
BTH4218	Drug Discovery & Development	2	-	-	2
BTH4219	RNA Biology	2	-	-	2
	Open Electives				5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
	Hindi-II				
	TOTAL				29

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTH4320	Bioprocess Engineering & Technology	3	-	-	3
BTH4321	Emerging Technologies	2	-	-	2
BTH4322	Critical Analysis of Classical Papers	2	-	-	2
BTH4306	Bioentrepreneurship, IPR, Biosafety & Bioethics	3	-	-	3
BTH4323	Bioprocess Engineering & Technology Lab	-	-	4	2
BTH4324	Bioinformatics Lab	-	-	4	2

BTH4332	Project Proposal Preparation & Presentation	-	-	-	1
BTH4338	Seminar	-	-	-	1
BTH4335	Summer Internship Evaluation	-	-	-	4
Electives (Select any One)					2
BTH4314	Nanobiotechnology	2	-	-	2
BTH4319	Advances in Plant Genomics	2	-	-	2
BTH4325	Microbial Technology	2	-	-	2
BTH4326	Protein Engineering	2	-	-	2
BTH4327	Vaccines	2	-	-	2
BTH4328	Cancer Biology	2	-	-	2
Open Electives					4
Foreign Business Language-III		2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTH4437	Dissertation	-	-	-	18
TOTAL					18

13107 M.Tech.- Biotechnology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE4101	Biochemistry & Metabolic Regulation	2	-	-	2
BTE4102	Genetics & Molecular Biology	3	-	-	3
BTE4103	Instrumentation & Research Methodology	2	-	-	2
BTE4104	Microbial Technology	2	-	-	2
BTE4105	Biostatistics	2	-	-	2
BTE4106	Biochemistry & Metabolic Regulation Lab	-	-	2	1
BTE4107	Genetics & Molecular Biology Lab	-	-	4	2
BTE4108	Microbial Technology Lab	-	-	2	1
Select any one paper of the following Electives with their lab					3
BTE4111 BTE4112	Elective-I (Choose any one) Animal Biotechnology Plant Cell, Tissue & Organ Culture	2	-	-	2
BTE4113 BTE4114	Elective-II (Choose any one) Animal Biotechnology Lab Plant Cell, Tissue & Organ Culture Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
LAN4151 LAN4152 LAN4153 LAN4154 LAN4155 LAN4156 LAN4157 LAN4158 LAN4159	Foreign Business Language – I French-I German-I Spanish-I Russian -I Chinese-I Portuguese-I Korean-I Japanese-I Hindi-I **	3	-	-	3
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE4201	Recombinant DNA Technology	2	-	-	2
BTE4202	Bioinformatics & Computational Biology	2	-	-	2
BTE4203	Biochemical Engineering	2	-	-	2
BTE4204	Environmental Biotechnology	2	-	-	2
BTE4205	IPR & Bioethics	2	-	-	2
BTE4206	Molecular Cell Biology	3	-	-	3
BTE4207	Recombinant DNA Technology Lab	-	-	4	2
BTE4208	Bioinformatics & Computational Biology Lab	-	-	4	2
BTE4209	Environmental Biotechnology Lab	-	-	2	1
BTE4210	Molecular Cell Biology Lab	-	-	2	1
BTE4211	Immunology	2	-	-	2
BTE4212	Immunology Lab	-	-	4	2
BTE4231	Term Paper	-	-	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian -II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Hindi-II				
TOTAL					29

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE4301	Enzyme technology	2	-	-	2
BTE4302	Genomics & Proteomics	2	-	-	2
BTE4303	Structural Biology	2	-	-	2
BTE4304	Downstream Processing & Fermentation Biotechnology	2	-	-	2
BTE4305	Enzyme Technology Lab	-	-	4	2

BTE4306	Genomics & Proteomics Lab	-	-	4	2
BTE4307	Structural Biology Lab	-	-	2	1
BTE4308	Fermentation Biotechnology & Downstream Processing Lab	-	-	4	2
BTE4335	Summer Internship Evaluation	-	-	-	6
Electives (Select any One)					3
BTE4309	Industrial Management	3	-	-	3
BTE4310	Immunotechnology	3	-	-	3
BTE4311	Agri-Food Biotechnology	3	-	-	3
BTE4312	Biofuels & green technology	3	-	-	3
BTE4313	Stem Cells and Gene Therapy	3	-	-	3
BTE4314	Drug design & Pharmaceutical Biotechnology	3	-	-	3
BTE4315	Nanobiotechnology	3	-	-	3
BTE4316	New Generation Sequencing Analysis	3	-	-	3
BTE4317	Advanced Nanobiotechnology	3	-	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian -III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
BTE4437	Dissertation / Project Report Presentation / Viva Voce	-	-	-	20
TOTAL					20

131177 M.Sc. Data Science (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC4101	Introduction to Data Science	4	-	-	4
DSC4102	Machine Learning-I	3	-	-	3
DSC4103	Statistics & Exploratory Data Analysis	3	-	-	3
DSC4104	Database Management System-I	-	-	4	2
DSC4105	Programming Toolbox I-R	-	-	2	1
DSC4106	Programming ToolBox II- Python	-	-	2	1
DSC4107	Big Data Tools & Technologies-I	-	-	2	1
DSC4108	Introduction to Linux	-	-	2	1
DSC4109	Machine Learning-I Lab	-	-	2	1
DSC4110	Statistics & Exploratory Data Analysis Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language – I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian -I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC4201	Machine Learning-II	3	-	-	3

DSC4202	Regression Theory & Analysis	3	-	-	3
DSC4203	Data Structure & Algorithm Design	3	-	-	3
DSC4204	Database Management System-II	-	-	4	2
DSC4205	Spark	-	-	2	1
DSC4206	Data Visualization	-	-	2	1
DSC4207	Big Data Tools & Technologies-II	-	-	2	1
DSC4208	Machine Learning-II Lab	-	-	2	1
DSC4209	Regression Theory & Analysis Lab	-	-	2	1
DSC4210	Data Structure & Algorithm Design Lab	-	-	2	1
Electives (Choose any Two)					2
DSC4211	Pattern Recognition	-	-	2	1
DSC4212	Next Generation Sequencing Analysis	-	-	2	1
DSC4213	Association Rule Mining	-	-	2	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian -II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
LAN4259	Hindi-II				
TOTAL					24

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC4301	Generalized & Linear Modeling	3	-	-	3
DSC4302	Deep Learning & Neural Networks	3	-	-	3
DSC4303	Time Series	3	-	-	3
DSC4304	Graph & Social Network Analysis	3	-	-	3
DSC4305	Natural Language Processing	-	-	4	2
DSC4306	Graph & Social Network Analysis Lab	-	-	2	1
DSC4307	Big Data Tools & Technologies-III	-	-	2	1
DSC4308	Generalized & Linear Modeling Lab	-	-	2	1
DSC4309	Time Series Lab	-	-	2	1
DSC4310	Deep Learning & Neural Networks	-	-	2	1

	Lab				
DSC4335	Summer Internship Evaluation	-	-	-	8
Electives (Choose any Two)					2
DSC4311	Weather Prediction	-	-	2	1
DSC4312	Disease Classification	-	-	2	1
DSC4313	Customer Behaviour Analysis	-	-	2	1
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian -III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				33

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC4437	Dissertation / Project Report Presentation / Viva Voce	-	-	-	20
	TOTAL	-	-	-	20

131345 Post Graduate Diploma in Data Science (Total Credits-55)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC3101	Introduction to Data Science	4	-	-	4
DSC3102	Machine Learning-I	3	-	-	3
DSC3103	Statistics & Exploratory Data Analysis	3	-	-	3
DSC3104	Database Management System-I	-	-	4	2
DSC3105	Programming Toolbox I-R	-	-	2	1
DSC3106	Programming ToolBox II- Python	-	-	2	1
DSC3107	Big Data Tools & Technologies-I	-	-	2	1
DSC3108	Introduction to Linux	-	-	2	1
DSC3109	Machine Learning-I Lab	-	-	2	1
DSC3110	Statistics & Exploratory Data Analysis Lab	-	-	2	1
Open Electives					5
CSS3151	Basics of Communication	1	-	-	1
BEH3151	Self Development and Interpersonal Skills	1	-	-	1
LAN3151	Foreign Business Language – I	3	-	-	3
LAN3152	French-I				
LAN3153	German-I				
LAN3154	Spanish-I				
LAN3155	Russian -I				
LAN3156	Chinese-I				
LAN3157	Portuguese-I				
LAN3158	Korean-I				
LAN3159	Japanese-I				
LAN3159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
DSC3201	Machine Learning-II	3	-	-	3
DSC3202	Regression Theory & Analysis	3	-	-	3

DSC3203	Data Structure & Algorithm Design	3	-	-	3
DSC3204	Database Management System-II	-	-	4	2
DSC3205	Spark	-	-	2	1
DSC3206	Data Visualization	-	-	2	1
DSC3207	Big Data Tools & Technologies-II	-	-	2	1
DSC3208	Machine Learning-II Lab	-	-	2	1
DSC3209	Regression Theory & Analysis Lab	-	-	2	1
DSC3210	Data Structure & Algorithm Design Lab	-	-	2	1
DSC3237	Project	-	-	-	8
Electives (Choose any Two)					2
DSC3211	Pattern Recognition	-	-	2	1
DSC3212	Next Generation Sequencing Analysis	-	-	2	1
DSC3213	Association Rule Mining	-	-	2	1
Open Electives					5
CSS3251	Corporate Communication	1	-	-	1
BEH3251	Behavioural Communication & Relationship Management	1	-	-	1
	Foreign Business Language-II	3	-	-	3
LAN3251	French-II				
LAN3252	German-II				
LAN3253	Spanish-II				
LAN3254	Russian -II				
LAN3255	Chinese-II				
LAN3256	Portuguese-II				
LAN3257	Korean-II				
LAN3258	Japanese-II				
LAN3259	Hindi-II				
TOTAL					32

AMITY SCHOOL OF APPLIED SCIENCES

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13558 B.Sc. (Honors) Chemistry (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2101	Inorganic Chemistry-I	2	1	-	3
CHY2102	Organic Chemistry-I	2	1	-	3
CHY2105	Applied Mathematics-I	2	-	-	2
CHY2106	Physics-I	2	-	-	2
CHY2103	Inorganic Chemistry Lab-I	-	-	2	1
CHY2104	Organic Chemistry Lab-I	-	-	2	1
CHY2107	Physics Lab-I	-	-	2	1
Open Electives					7*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2201	Physical Chemistry-I	2	1	-	3
CHY2202	Analytical Chemistry	2	1	-	3
CHY2205	Applied Mathematics-II	2	-	-	2
CHY2206	Physics-II	2	-	-	2
CHY2203	Physical Chemistry Lab-I	-	-	2	1

CHY2204	Analytical Chemistry Lab	-	-	2	1
CHY2207	Physics Lab-II	-	-	2	1
Open Electives					7*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2301	Inorganic Chemistry-II	2	1	-	3
CHY2302	Organic Chemistry-II	2	1	-	3
CHY2303	Physical Chemistry-II	2	1	-	3
CHY2304	Biochemistry	2	1	-	3
CHY2305	Inorganic Chemistry Lab-II	-	-	2	1
CHY2306	Organic Chemistry Lab-II	-	-	2	1
CHY2307	Physical Chemistry Lab-II	-	-	2	1
Concentration Electives					3
CHY2308	Industrial Chemistry	2	1	-	3
CHY2309	Bioinorganic Chemistry	2	1	-	3
Open Electives					4*+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				

CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2401	Inorganic Chemistry-III	2	1	-	3
CHY2402	Organic Chemistry-III	2	1	-	3
CHY2403	Physical Chemistry-III	2	1	-	3
CHY2404	Polymer Chemistry	2	1	-	3
CHY2405	Inorganic Chemistry Lab-III	-	-	2	1
CHY2406	Organic Chemistry Lab-III	-	-	2	1
CHY2407	Physical Chemistry Lab-III	-	-	2	1
Concentration Electives					3
CHY2408	Green Chemistry	2	1	-	3
CHY2409	Agricultural Chemistry	2	1	-	3
CHY2431	Term Paper & Workshop	-	-	-	3
CHY2432	Project (with Presentation & Evaluation)	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SUMMER PROJECT**FIFTH SEMESTER**

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2501	Inorganic Chemistry-IV	2	1	-	3
CHY2502	Organic Chemistry-IV	2	1	-	3
CHY2503	Physical Chemistry-IV	2	1	-	3
CHY2504	Inorganic Chemistry Lab-IV	-	-	2	1
CHY2505	Organic Chemistry Lab-IV	-	-	2	1
CHY2506	Physical Chemistry Lab-IV	-	-	2	1
CHY2535	Summer Project Evaluation/ Study Abroad Programme	-	-	-	6
Concentration Electives					3
CHY2507	Food & Nutrition Chemistry	2	1	-	3
CHY2508	Quantum Chemistry	2	1	-	3
CHY2509	Technical Writing in Science-I& Workshop	-	-	-	3
CHY2531	Term Paper& Workshop	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CHY2601	Inorganic Chemistry-V	2	1	-	3
CHY2602	Organic Chemistry-V	2	1	-	3
CHY2603	Physical Chemistry-V	2	1	-	3

CHY2604	Spectroscopy	2	1	-	3
CHY2605	Basics of Computer Programming in C and its Application in Chemistry	2	-	-	2
CHY2606	Inorganic Chemistry Lab-V	-	-	2	1
CHY2607	Organic Chemistry Lab-V	-	-	2	1
CHY2608	Physical Chemistry Lab-V	-	-	2	1
CHY2609	Programming in C Lab	-	-	2	1
Concentration Electives					3
CHY2610	Material Chemistry	2	1	-	3
CHY2611	Nanochemistry	2	1	-	3
CHY2612	Technical Writing in Science-II& Workshop	-	-	-	3
CHY2631	Term Paper& Workshop	-	-	-	3
CHY2632	Project (with Presentation & Evaluation)	-	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

13556 B.Sc. (Honors) Mathematics (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH2101	Differential Calculus	3	1	-	4
MTH2107	Classical Algebra	3	1	-	4
MTH2108	Integral Calculus	3	1	-	4
MTH2110	Physics	4	-	-	4
Open Electives					7*+3
LAN2151	Foreign Language-I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies* -I	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH2205	Ordinary Differential Equations	3	1	-	4
MTH2209	Groups & Ring Theory	3	1	-	4
MTH2212	Vector Calculus	2	1	-	3
MTH2213	Chemistry	3	-	-	3
MTH2214	Computer Fundamentals	-	-	4	2
Open Electives					7*+3

LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French- II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies*-II	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH2303	Partial Differential Equations	3	1	-	4
MTH2318	Introduction to C Programming	2	-	-	2
MTH2319	C Programming Lab	-	-	4	2
MTH2320	Analytical Geometry	3	1	-	4
MTH2321	Statistics	3	1	-	4
MTH2322	Real Analysis-I	3	1	-	4
Open Electives					4*+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH2413	Numerical Methods	3	-	-	3
MTH2414	Numerical Methods Lab	-	-	2	1
MTH2415	Linear Algebra	3	1	-	4
MTH2420	Complex Analysis	3	1	-	4
MTH2421	Real Analysis-II	3	1	-	4
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*				
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

SUMMER WORKSHOP/ SAP

In summer break, a student can either opt for study abroad programme (SAP) or participate in two-week summer workshop which will be scheduled tentatively in the week following the last end-semester exam. The exact workshop dates will be notified before the commencement of end-semester examination. The students opting for SAP are requested to contact the office of International Affairs for further details.

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
MTH2503	Mechanics	3	1	-	4
MTH2504	Operations Research	3	1	-	4
MTH2520	Scientific Computing	-	-	4	2
MTH2535	Summer Workshop/ Study Abroad Programme	-	-	-	6
Concentration Electives					3
MTH2515	Mathematical Modeling	2	1	-	3
MTH2518	Fuzzy Sets and Fuzzy Logic	2	1	-	3

MTH2519	R Programming and SAS	2	1	-	3
MTH2521	Digital Electronics	2	1	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH2615	Special Functions & Integral Transforms	3	1	-	4
MTH2620	Discrete Mathematics	2	1	-	3
MTH2621	Metric Space	3	1	-	4
Concentration Electives (Select Any Two)					6
MTH2603	Financial Mathematics	2	1	-	3
MTH2611	Number Theory	2	1	-	3
MTH2618	Functional Analysis	2	1	-	3
MTH2619	Introduction to Statistical Inference	2	1	-	3
Open Electives					(2*+3)
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

13557 B.Sc. (Honors) Physics (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2101	Mechanics	2	1	-	3
PHY2102	Waves & Oscillations	2	1	-	3
PHY2104	Physics Lab-I	-	-	4	2
PHY2105	Applied Mathematics-I	2	1	-	3
PHY2106	Applied Chemistry-I	2	-	-	2
PHY2107	Applied Chemistry Lab-I	-	-	2	1
PHY2108	Properties of Matter	2	1	-	3
Open Electives					7*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2201	Thermodynamics	2	1	-	3
PHY2202	Optics	2	1	-	3
PHY2203	Mathematical Physics-I	2	1	-	3
PHY2204	Physics Lab-II	-	-	4	2

PHY2205	Applied Mathematics-II	2	1	-	3
PHY2206	Applied Chemistry-II	2	-	-	2
PHY2207	Applied Chemistry Lab-II	-	-	2	1
Open Electives					7*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2301	Electricity & Magnetism	2	1	-	3
PHY2303	Analog Electronics	2	1	-	3
PHY2304	Physics Lab-III	-	-	4	2
PHY2308	Mathematical Physics-II	2	1	-	3
PHY2309	Classical Mechanics	2	1	-	3
Concentration Electives					3
PHY2306	Computer programming in C	2	1	-	3
PHY2331	Term Paper & Workshop	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				

CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2404	Physics Lab-IV	-	-	4	2
PHY2407	Electrodynamics	2	1	-	3
PHY2408	Statistical Mechanics	2	1	-	3
PHY2410	Quantum Mechanics	2	1	-	3
PHY2411	Digital Electronics	2	1	-	3
Concentration Electives					3
PHY2406	Laser Physics	2	1	-	3
PHY2412	Special Theory of Relativity	2	1	-	3
PHY2431	Term Paper & Workshop	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*				
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SUMMER PROJECT FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2503	Nuclear & Particle Physics	2	1	-	3
PHY2504	Physics Lab-V	-	-	4	2
PHY2506	Solid State Physics	2	1	-	3
PHY2508	Applied Mathematics-III	3	-	-	3

PHY2509	Applied Mathematics-III Lab	-	-	2	1
PHY2510	Atomic & Molecular Physics	2	1	-	3
PHY2535	Summer Project Evaluation/ Study Abroad Programme	-	-	-	3
Concentration Electives					3
PHY2512	Introduction to MATLAB	2	1	-	3
PHY2513	Semiconductor Physics	2	1	-	3
PHY2531	Term Paper& Workshop	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2551	French-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PHY2606	Introduction to Nanotechnology	2	1	-	3
PHY2607	Accelerators and Detectors	2	1	-	3
PHY2609	Mathematical Physics-III	2	1	-	3
PHY2610	Instrumentation Techniques	2	1	-	3
Concentration Electives					3
PHY2605	Low Temperature Physics and Superconductivity	2	1	-	3
PHY2611	Introduction to Astronomy	2	1	-	3
PHY2631	Term Paper& Workshop	-	-	-	3
PHY2634	Study Abroad	-	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1

BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				20

13059 B.Sc. (Honors) Forensic Science (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2102	Introduction to Forensic Science	2	-	-	2
FCH2103	Fundamentals of Crime Scene Investigation	2	-	-	2
FCH2104	Biology	2	-	-	2
FCH2105	Applied Mathematics	2	-	-	2
FCH2107	Human Anatomy and Physiology	2	1	-	3
FCH2108	Crime Scene Investigation Lab	-	-	4	2
FCH2109	Chemistry-I (Basic)	2	1	-	3
Open Electives					7*+3
LAN2151	Foreign Language -I*	3	-	-	3
LAN2152	French- I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2201	Physical Evidence in Forensic Science	2	-	-	2

FCH2202	Fingerprint Science	2	1	-	3
FCH2203	Metric System & Physical Properties of Evidences	2	1	-	3
FCH2207	Fingerprinting Lab	-	-	2	1
FCH2208	Metric System Lab	-	-	2	1
FCH2209	Chemistry-II (Inorganic)	2	1	-	3
FCH2210	Physics-I	2	-	-	2
Open Electives					7*+3
LAN2251	Foreign Language – II* French- II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2302	Forensic Serology	2	1	-	3
FCH2311	Forensic Serology Lab	-	-	4	2
FCH2312	Questioned Documents-I	2	1	-	3
FCH2313	Research Methodology and Statistics	2	1	-	3
FCH2314	Chemistry-III (Physical)	2	1	-	3
Concentration Electives					3
FCH2308	Crime Scenario in India	2	1	-	3
FCH2315	Cyber Forensics	2	1	-	3
Open Electives					4*+3

LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French- III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2402	Fundamentals of Forensic Photography	2	1	-	3
FCH2403	Forensic Anthropology	2	1	-	3
FCH2410	Forensic Anthropology Lab	-	-	2	1
FCH2412	Questioned Documents-II	2	1	-	3
FCH2413	Chemistry-IV (Organic)	2	1	-	3
FCH2414	Questioned Documents Lab	-	-	2	1
Concentration Electives					3
FCH2415	Wildlife Forensics	2	1	-	3
FCH2416	Physics-II	2	1	-	3
FCH2431	Term Paper	-	-	-	2
FCH2432	Project (with Presentation & Evaluation)	-	-	-	3
FCH2433	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Open Electives					4*+3

LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French- IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

SUMMER INTERNSHIP

Students must submit their summer internship report immediately on return from summer break in June/ July and the same would be evaluated for 6 credit units, which would be included in the Third Semester marks.

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2502	DNA Fingerprinting	2	1	-	3
FCH2505	Instrumentation- Biological	1	-	-	1
FCH2511	DNA Fingerprinting Lab	-	-	2	1
FCH2513	Microscopy	2	-	-	2
FCH2514	Chemistry-V (Toxicology)	2	1	-	3
FCH2515	Forensic Toxicology Lab	-	-	2	1
FCH2535	Summer Internship Evaluation/ Study Abroad Programme	-	-	-	6
Concentration Electives					3
FCH2509	Technical Writing in Science-I	2	-	-	2
FCH2516	Arson and Explosive	2	1	-	3
FCH2517	Quality Management and Ethics	2	1	-	3
FCH2531	Term Paper	-	-	-	2
FCH2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Open Electives					4*+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2555	Chinese-V				

LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FCH2613	Criminology, Criminal Law & Police Administration	2	1	-	3
FCH2616	Forensic Medicine	2	1	-	3
FCH2617	Ballistics	2	1	-	3
FCH2618	Chemistry-VI (Physical and Chemical)	2	1	-	3
FCH2619	Ballistics Lab	-	-	2	1
Concentration Electives					3+3 (6)
FCH2610	Forensic Psychology	2	1	-	3
FCH2620	Physics-III	2	1	-	3
FCH2612	Technical Writing in Science-II& Workshop	-	-	-	3
FCH2614	Seminar	-	-	-	3
FCH2631	Term Paper& Workshop	-	-	-	3
FCH2632	Minor Project (with Presentation & Evaluation)	-	-	-	3
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

13509 Master of Science (Chemistry) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
CHY4101	Physical Chemistry	3	1	-	4
CHY4102	Organic Chemistry	3	1	-	4
CHY4109	Inorganic Chemistry	3	1	-	4
CHY4110	Cheminformatics & Bioinformatics	1	1	-	2
CHY4111	Foundations of Biochemistry	1	1	-	2
CHY4112	Cheminformatics & Biochemistry Lab	-	-	2	1
CHY4108	Research Seminar	-	-	-	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
CHY4201	Analytical Chemistry	2	1	-	3
CHY4202	Industrial Chemistry	2	1	-	3
CHY4211	Organometallic Chemistry	3	1	-	4
CHY4212	Introduction to Laboratory Safety	1	-	-	1
CHY4213	Spectroscopy	2	1	-	3
CHY4206	Analytical Chemistry Lab	-	-	2	1

CHY4207	Industrial Chemistry Lab	-	-	2	1
CHY4231	Term Paper	-	-	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					22

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 6 credit units, which would be included in the Third Semester marks.

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
CHY4301	Instrumental Methods of Analysis	3	1	-	4
CHY4318	Advanced Organic Chemistry	3	1	-	4
CHY4319	Advanced Physical Chemistry	3	1	-	4
CHY4323	Advanced Inorganic Chemistry	3	1	-	4
CHY4324	Inorganic Chemistry Lab	-	-	4	2
CHY4325	Natural Products & Heterocyclic Chemistry	2	1	-	3
CHY4335	Summer Internship Evaluation/ Study Abroad Programme	-	-	-	6
CHY4320	Instrumentation Workshop	-	-	-	1
Electives (Any One)					3
CHY4304	Drugs and Dyes	2	1	-	3
CHY4305	Advanced Natural Products Chemistry	2	1	-	3
CHY4307	Industrial Management and Safety Processes	2	1	-	3

CHY4308	Advanced Nanochemistry	2	1	-	3
CHY4309	Chemistry of Cosmetics	2	1	-	3
CHY4310	Medicinal Chemistry	2	1	-	3
CHY4311	Polymer Technology	2	1	-	3
CHY4312	Non-Conventional Energy Sources	2	1	-	3
CHY4313	Industrial Waste and Water Treatment	2	1	-	3
CHY4314	Nuclear Chemistry	2	1	-	3
CHY4315	Food Technology	2	1	-	3
CHY4321	Environmental Chemistry	2	1	-	3
CHY4322	Renewable Energy Conversion Systems	2	1	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
	TOTAL				35

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
CHY4405	Introduction to Polymeric Materials	2	1	-	3
CHY4407	Chemistry of Nanomaterials	2	-	-	2
CHY4408	Good Laboratory Practices Seminar	-	-	-	1
CHY4105	Physical Chemistry Lab	-	-	4	2
CHY4106	Organic Chemistry Lab	-	-	4	2
CHY4437	Major Project*	-	-	-	10
	TOTAL				20

*Student will be sent to laboratories at universities, national institute and industries for their project based research work during 4th semester. At the end of 4th semester student will be evaluated on the basis of dissertation followed by presentation of their research work.

13510 Master of Science (Mathematics) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH4101	Complex Analysis	3	1	-	4
MTH4102	Real Analysis	3	1	-	4
MTH4105	Computing and C Programming	3	-	-	3
MTH4106	C Programming Lab	-	-	2	1
MTH4109	Ordinary Differential Equations	3	1	-	4
MTH4110	Linear Algebra	3	1	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4151	French-I				
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH4205	Topology	3	1	-	4
MTH4206	Statistics Based Lab	-	-	2	1
MTH4213	Partial Differential Equations	3	1	-	4
MTH4215	Introduction to MATLAB	3	-	-	3
MTH4216	MATLAB Programming Lab	-	-	2	1
MTH4217	Operations Research	3	1	-	4
MTH4218	Probability Theory	3	-	-	3
Open Electives					5

CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				25

SUMMER WORKSHOP/ SAP:

In summer break, a student can either opt for study abroad programme (SAP) or participate in one-week summer workshop which will be scheduled tentatively in the week following the last end-semester exam. The exact workshop dates will be notified before the commencement of end-semester examination. The students opting for SAP are requested to contact the office of International Affairs for further details. Evaluation scheme for SAP will be provided by office of International Affairs of the University.

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH4325	Numerical Analysis	3	-	-	3
MTH4326	Abstract Algebra	3	1	-	4
MTH4327	Numerical Analysis Lab	-	-	2	1
MTH4342	Mathematical Methods	4	-	-	4
MTH4335	Summer Workshop/ Study Abroad Programme	-	-	-	3
	Electives (Choose Any TWO)				4+4 (8)
MTH4303	Discrete Mathematical Structures	3	1	-	4
MTH4305	Fuzzy Sets and their Applications	3	1	-	4
MTH4329	Number Theory & Cryptography	3	1	-	4
MTH4340	Tensors and Differential Geometry	3	1	-	4
MTH4341	Statistical Methods	3	1	-	4
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				

LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MTH4409	Fluid Dynamics	3	1	-	4
MTH4411	Mathematical Modeling	3	1	-	4
MTH4433	Workshop *	-	-	-	1
MTH4437	Project	-	-	-	6
	Electives (Choose Any TWO)				4+4 (8)
MTH4402	Functional Analysis	3	1	-	4
MTH4410	Classical Mechanics	3	1	-	4
MTH4412	Biomechanics	3	1	-	4
MTH4413	Coding Theory	3	1	-	4
MTH4414	Stochastic Processes	3	1	-	4
MTH4415	Statistical Inference	3	1	-	4
MTH4416	Numerical Solutions to ODE and PDEs	3	1	-	4
	TOTAL				23

* Workshop shall be conducted on one of the following topics related to:

(1) Renewable Energy (2) Forensic Science (3) Nanotechnology (4) Cyber Security (5) Environmental Sciences (6) Computational Biology

13500 Master of Science (Physics) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PHY4101	Mathematical Physics	3	1	-	4
PHY4102	Classical Mechanics	3	1	-	4
PHY4103	Electronics	3	1	-	4
PHY4109	Quantum Mechanics-I	3	1	-	4
PHY4110	Computational Physics	3	-	2	4
PHY4111	Integrated Physics Lab-I	-	-	6	3
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					28

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PHY4202	Statistical Mechanics	3	1	-	4
PHY4208	Quantum Mechanics-II	3	1	-	4
PHY4209	Condensed Matter Physics-I	3	1	-	4
PHY4215	Electrodynamics	3	1	-	4
PHY4216	Atomic and Molecular Physics	3	1	-	4
PHY4212	Integrated Physics Lab-II	-	-	6	3
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication	1	-	-	1

	&Relationship Management				
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
	Hindi-II				
	TOTAL				28

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PHY4315	Condensed Matter Physics-II	3	1	-	4
PHY4321	Nuclear & Particle Physics	3	1	-	4
PHY4322	Laser Physics	3	1	-	4
PHY4316	Integrated Physics Lab-III	-	-	6	3
PHY4335	Summer Internship Evaluation/ Study Abroad Programme	-	-	-	3
	Elective Paper (Select any one)				3
PHY4306	Digital Electronics & Microprocessors	3	-	-	3
PHY4307	Material Science	3	-	-	3
PHY4317	Renewable Energy Resources	3	-	-	3
PHY4318	Introduction to Astrophysics	3	-	-	3
PHY4319	Non-linear Dynamics	3	-	-	3
PHY4323	Plasma Physics-I	3	-	-	3
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
PHY4410	Experimental Techniques	3	1	-	4
PHY4437	Major Project	-	-	-	9
	Elective Paper (Select any Two)				6
PHY4404	Nano-Science & Technology	3	-	-	3
PHY4405	Atmospheric Physics	3	-	-	3
PHY4406	General Relativity & Cosmology	3	-	-	3
PHY4407	Optical Fibers & Communications	3	-	-	3
PHY4408	Physics of Solar Photovoltaics	3	-	-	3
PHY4409	Biophysics	3	-	-	3
PHY4411	Radiation Physics	3	-	-	3
PHY4412	Plasma Physics-II	3	-	-	3
PHY4413	High Energy Physics	3	-	-	3
	TOTAL				19

13011 Master of Science (Forensic Science) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH4101	Criminology, Criminal Law, Police Administration	2	1	-	3
FCH4103	Forensic Physics	2	1	-	3
FCH4106	Forensic Ballistics	2	-	-	2
FCH4107	Forensic Physics Lab	-	-	4	2
FCH4108	Crime Scene Investigation (CSI) Lab	-	-	4	2
FCH4111	Forensic and Criminal Investigation	2	1	-	3
FCH4112	Instrumentation (Chemical)	2	1	-	3
FCH4110	Research Seminar	-	-	-	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH4201	Forensic Photography	2	-	-	2
FCH4202	Elements of Forensic Medicine and Odontology	2	1	-	3
FCH4205	Questioned Documents	2	1	-	3

FCH4206	Forensic Medicine & Odontology Lab	-	-	4	2
FCH4208	Questioned Documents & Fingerprints Lab	-	-	4	2
FCH4209	Instrumentation (Biological)	2	1	-	3
FCH4210	Fingerprint Science	2	1	-	3
FCH4211	Arson & Explosives	2	1	-	3
FCH4231	Term Paper	-	-	-	1
Open Electives					5
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
CSS4251	Corporate Communication	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
	Hindi-II				
TOTAL					27

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer break in June/ July and the same would be evaluated for 6 credit units, which would be included in the Third Semester marks.

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH4301	Forensic Chemistry, Toxicology & Pharmacology	2	1	-	3
FCH4302	Forensic Biology & Serology	2	1	-	3
FCH4304	Forensic Biology and Serology Lab	-	-	4	2
FCH4305	Forensic Chemistry & Toxicology Lab	-	-	4	2
FCH4315	Statistics & Research Methodology	2	1	-	3
FCH4316	Instrumentation (Physical)	2	1	-	3
FCH4318	Instrumentation Workshop	-	-	-	1
FCH4335	Summer Internship Evaluation/ Study Abroad Programme	-	-	-	6

Electives (Any TWO)					3+3 (6)
FCH4306	Advanced Forensic Biology & Anthropology	2	1	-	3
FCH4317	Cyber Forensic & Computer Application	2	1	-	3
FCH4319	Forensic Genetics	2	1	-	3
FCH4310	Advanced Questioned Documents & Fingerprint Examination	2	1	-	3
FCH4320	Advanced Forensic Chemistry and Toxicology	2	1	-	3
FCH4321	Forensic Wildlife and Entomology	2	1	-	3
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
TOTAL					33

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH4405	Quality Management & Accreditation in Forensic Science Laboratories	2	-	-	2
FCH4408	Forensic Psychology	2	1	-	3
FCH4409	Good Laboratory Practices Seminar	-	-	-	1
FCH4437	Major Project*	-	-	-	10
TOTAL					16

*Students are expected to carry out their project work in laboratories at universities, national institute and industry during 4th semester. At the end of 4th semester, every student will be evaluated on the basis of project work documented in the project report followed by presentation of their work.

13690 Master of Science (Biochemistry) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
BCH4101	Basic Biochemistry	2	1	-	3
BCH4102	Biostatistics	1	1	-	2
BCH4104	Biochemical Engineering	1	1	-	2
BCH4106	Instrumentation Techniques	2	1	-	3
BCH4108	Research Seminar	-	-	-	1
BCH4109	Biochemistry of Proteins and Enzymes	2	1	-	3
BCH4110	Cell Biology and Signaling	3	1	-	4
BCH4111	Bioinformatics Lab	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and Interpersonal skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
BCH4201	Advanced Biochemistry	3	1	-	4
BCH4202	Structural Biology	2	1	-	3
BCH4203	Genetics	3	1	-	4
BCH4204	Clinical Biochemistry	2	1	-	3
BCH4206	Advanced Biochemistry Lab	-	-	4	2
BCH4207	Cell Biology and Genetics Lab	-	-	4	2

BCH4208	Clinical and Protein Biochemistry Lab	-	-	4	2
BCH4209	Immunology	2	1	-	3
BCH4231	Term Paper	-	-	-	1
	Open Electives				5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
	TOTAL				29

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 6 credit units, which would be included in the Third Semester marks.

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
BCH4301	Recombinant DNA Technology	2	1	-	3
BCH4302	Advanced Genetics	2	1	-	3
BCH4303	Molecular Biology	2	1	-	3
BCH4306	Molecular Biology & Microbiology Lab	-	-	4	2
BCH4307	Instrumentation and Genetic Engineering Lab	-	-	4	2
BCH4335	Summer Internship Evaluation/ Study Abroad Programme	-	-	-	6
	Electives (Any One)				3
BCH4308	Microbiology	2	1	-	3
BCH4310	Ecology and Evolution	2	1	-	3
	Electives Lab (Any One)				2
BCH4311	Microbiology Lab	-	-	4	2
BCH4313	Ecology and Evolution Lab	-	-	4	2

Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
BCH4408	Developmental Biology and Neurological disorders	2	1	-	3
BCH4409	Methodologies of Biochemistry	2	1	-	3
BCH4407	Good Laboratory Practices Seminar	-	-	-	1
BCH4105	Biochemistry Lab	-	-	4	2
BCH4107	Biochemical Engineering Lab	-	-	4	2
BCH4437	Major Project	-	-	-	8
TOTAL					19

*Student will be sent to laboratories at universities, national institute and industries for their project based research work during 4th semester. At the end of 4th semester student will be evaluated on the basis of dissertation followed by presentation of their research work.

AMITY SCHOOL OF LIBERAL ARTS & FOREIGN LANGUAGES

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-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13573 B.A-History (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2104	Social Formations & Cultural Patterns of the Ancient World	4	1	-	5
HIS2105	History of Early India-I	4	1	-	5
HIS2106	Social Formations & Cultural Patterns of the Medieval World	4	1	-	5
Open Electives					7*+3
LAN2151	Foreign Language- I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies- I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2205	History of Early India-II	3	1	-	4
HIS2206	Indo-Islamic Polity and Culture in Medieval India-I	3	1	-	4
HIS2207	Rise of Modern West-I	3	1	-	4
Concentration Electives					3
HIS2208	History of Africa	3	-	-	3

HIS2231	Term Paper	1	-	-	1
HIS2232	Project with Presentation and Evaluation	2	-	-	2
Open Electives					7*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies- II*	2	-	-	2
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

**SUMMER PROJECT
THIRD SEMESTER**

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2305	Indo-Islamic Polity and Culture in Medieval India-II	3	1	-	4
HIS2306	Rise of Modern West-II	3	1	-	4
HIS2307	History of British Rule in India-I	3	1	-	4
HIS2335	Summer Project Evaluation	-	-	-	3
Concentration Electives					3
HIS2308	History of South East Asia	3	-	-	3
HIS2331	Term Paper	1	-	-	1
HIS2332	Project Studies	2	-	-	2
Open Electives					4*+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				

CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2405	History of British Rule in India-II	4	1	-	5
HIS2406	History of USA	4	1	-	5
HIS2407	History of China and Japan	4	1	-	5
Concentration Electives					3
HIS2408	Historical Research Method	3	-	-	3
HIS2431	Term Paper	2	-	-	2
HIS2432	Project with Presentation & Evaluation	1	-	-	1
Open Electives					4* + 3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2504	History of USSR	4	1	-	5
HIS2505	History of West Asia	4	1	-	5
HIS2506	History of World Wars	4	1	-	5
Concentration Electives					3
HIS2507	History of Latin America	3	-	-	3
HIS2531	Term Paper	1	-	-	1
HIS2532	Project Studies	2	-	-	2
Open Electives					4* + 3
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*				
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
HIS2604	Gender and History	3	1	-	4
HIS2605	History of Contemporary India	4	-	-	4
HIS2637	Dissertation/ Project Studies	-	-	-	9
Concentration Electives					3
HIS2606	Environmental History- Global Perspectives	3	-	-	3
HIS2631	Term Paper	1	-	-	1
HIS2632	Project with Presentation and Evaluation	2	-	-	2
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication & Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

13574 B.A (Honors) Political Science (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2101	Indian Nationalism	4	1	-	5
POL2102	British Colonialism in India	4	1	-	5
POL2103	Political Philosophy-I	4	1	-	5
Open Electives					*7+3
LAN2151	Foreign Language-I French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2201	Indian State and Politics after Independence	3	1	-	4
POL2202	Political Philosophy-II	3	1	-	4
POL2203	Global Themes in Development and Politics	3	1	-	4
Concentration Electives					3
POL2204	Current Themes in Indian Politics	3	-	-	3
POL2205	Plato's Political Philosophy	3	-	-	3
POL2206	Elections and Electoral Politics	1	-	-	1

POL2230	Review of Contemporary Literature-I	2	-	-	2
POL2231	Term Paper (Political Philosophy/Political Studies)	2	-	-	2
POL2232	Project with Presentation and Evaluation	3	-	-	3
Open Electives					*7+3
LAN2251	Foreign Language-II	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies-II*	2	-	-	2
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2301	Indian Political Thought-I	3	1	-	4
POL2302	State Politics in India	3	1	-	4
POL2303	Politics of Post-Colonial States	3	1	-	4
POL2335	Summer Project Evaluation	-	-	-	3
Concentration Electives					3
POL2304	Politics and media	3	-	-	3
POL2305	South Asia in Perspective	1	-	-	1
POL2330	Review of Contemporary Literature-II	2	-	-	2
POL2331	Term Paper (Political Philosophy/Political Studies)	2	-	-	2
POL2332	Project with Presentation and	3	-	-	3
Open Electives					*4+3

LAN2351	Foreign Language-III French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2401	Indian Political Thought-II	4	1	-	5
POL2402	Public Administration-I	4	1	-	5
POL2403	Social Movements in India	4	1	-	5
	Concentration Electives				3
POL2404	Religion and Politics in India	3	-	-	3
POL2405	Cinema and Politics in India	3	-	-	3
POL2430	Review of Contemporary Literature-III	2	-	-	2
POL2431	Term Paper (Political Philosophy/Political Studies)	2	-	-	2
POL2432	Project with presentation and evaluation	3	-	-	3
POL2433	Workshop on Contemporary Politics	1	-	-	1
	Open Electives				4* + 3
LAN2451	Foreign Language-IV French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2501	Public Administration-II	4	1	-	5
POL2502	International Relations	4	1	-	5
POL2503	India's Foreign Policy	4	1	-	5
Concentration Electives					3
POL2504	Reading Karl Marx	3	-	-	3
POL2505	Civil Society in India	2	-	-	2
POL2506	Post-Cold War World Politics	3	-	-	3
POL2507	Theories of Punishment	1	-	-	1
POL2530	Review of Contemporary Literature-IV	2	-	-	2
POL2531	Term Paper (Political Philosophy/Political Studies)	2	-	-	2
POL2532	Project with Presentation and Evaluation	3	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
POL2601	Comparative Government and Politics	3	1	-	4
POL2602	Reading Gandhi	4	-	-	4
POL2637	Dissertation	8	1	-	9
Concentration Electives					3
POL2603	Reading Vivekananda	3	-	-	3
POL2604	Reading Ambedkar	3	-	-	3
POL2605	Modern Themes in Gender	1	-	-	1
POL2606	Political violence: concepts and trends	3	-	-	3
POL2630	Review of Contemporary Literature-V	2	-	-	2
POL2631	Term Paper (Political Philosophy/Political Studies)	2	-	-	2
POL2632	Project with Presentation and Evaluation	3	-	-	3
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

13061 B.A.-English (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
ENG2101	History of English Literature	5	-	-	5
ENG2102	English Poetry from Chaucer to Blake	5	-	-	5
ENG2103	Drama from Elizabethan to Restoration Age	5	-	-	5
Open Electives					*7+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
ENV2151	Environmental Studies-I	2	-	-	2
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG2202	English Poetry from Wordsworth to Tennyson	5	-	-	5
ENG2203	Modern Drama	5	-	-	5
ENG2204	Introduction to Linguistics	5	-	-	5
ENG2205	Research Methodology-I	1	-	-	1

Open Electives					*7+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies-II	2	-	-	2
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SUMMER PROJECT

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG2301	20 th Century Indian English Poetry	5	-	-	5
ENG2302	English Novel	5	-	-	5
ENG2303	Literary Criticism	5	-	-	5
ENG2304	Research Methodology-II	1	-	-	1
ENG2335	Summer Project Evaluation	-	-	-	3
Open Electives					*4+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG2401	20 th Century Indian English Novel	5	-	-	5
ENG2402	Prose Down the Ages	5	-	-	5
ENG2403	Literary Theory	5	-	-	5
ENG2410	Research Methodology-III	1	-	-	1
Concentration Electives					3
ENG2406	Post-Colonial Literature	3	-	-	3
ENG2408	Feminist Writings	3	-	-	3
ENG2409	Literature and Society	3	-	-	3
Open Electives					*4+3
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG2501	Modern English Poetry	4	-	-	4
ENG2502	Contemporary Literature	4	-	-	4
ENG2503	Popular Fiction	4	-	-	4
Concentration Electives					3
ENG2505	Modern European Drama	3	-	-	3
ENG2506	Indian Women Writing	3	-	-	3
ENG2507	New Literature in English	3	-	-	3
Open Electives					*4+3

LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual , Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG2601	Modern English Novel	5	-	-	5
ENG2602	American Literature	5	-	-	5
ENG2637	Dissertation	-	-	-	7
	Concentration Electives				3
ENG2605	Literature & Gender	3	-	-	3
ENG2606	Literary Forms and Practical Criticism	3	-	-	3
ENG2607	Dalit Literature	3	-	-	3
	Open Electives				*2+3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

13103 M.A.- English (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG4102	English Literature from Medieval Period to 17 th Century	5	-	-	5
ENG4103	Drama from Shakespeare to Ben Jonson	5	-	-	5
ENG4104	Restoration and Augustan Prose and Poetry	5	-	-	5
ENG4105	18 th and 19 th Century Novels	5	-	-	5
Open Electives					5
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
CSS4151	Basics of Communication	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG4201	Restoration and Augustan Drama	5	-	-	5
ENG4203	English Romantic Poetry	5	-	-	5
ENG4204	Victorian Poetry and Prose	5	-	-	5
ENG4205	Theoretical Linguistics	5	-	-	5
ENG4206	Research Methodology-I	1	-	-	1

		Open Electives			5
BEH4251	Behavioural Communication & Relationship Management	1	-		1
CSS4251	Corporate Communication	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

**SUMMER PROJECT
THIRD SEMESTER**

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG4301	20 th Century Poetry	5	-	-	5
ENG4302	20 th Century Drama	5	-	-	5
ENG4303	Literary Criticism	5	-	-	5
ENG4304	20 th Century Novel	5	-	-	5
ENG4305	Research Methodology-II	2	-	-	2
ENG4335	Summer Project Evaluation	-	-	-	3
Open Electives					4
BEH4351	Leading through Teams	1	-	-	1
CSS4351	Interpersonal Communication	1	-	-	1
LAN4351	Foreign Business Language-III*	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours Per week	Total Credits
ENG4401	Literary Theory	5	-	-	5
ENG4437	Dissertation	-	-	-	3
Concentration Electives (Select one of the following)					5
ENG4402	American Literature	5	-	-	5
ENG4403	European Comedy				
ENG4407	Ancient Greek & Latin Literature				
Concentration Electives (Select one of the following)					5
ENG4404	20 th Century Indian English Literature	5	-	-	5
ENG4405	Indian Literature in Translation				
ENG4406	Linguistics and English Language Teaching				
Open Electives					2
BEH4451	Professional Excellence	1	-	-	1
CSS4451	Cross Cultural Communication	1	-	-	1
TOTAL					20

13062 B.A- French (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2101	Written Expression-I	3	1	-	4
FRE2102	Oral Expression-I	3	1	-	4
FRE2104	Practical Phonetics-I	2	-	-	2
FRE2105	Life in France and Francophone Countries-I	2	-	-	2
Open Electives					7*+3
LAN2151	Foreign Language- I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies- I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2201	Written Expression-II	3	1	-	4
FRE2202	Oral Expression-II	3	1	-	4
FRE2204	Practical Phonetics-II	2	-	-	2
FRE2205	Life in France and Francophone Countries-II	2	-	-	2

Open Electives					7*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies- II*	2	-	-	2
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2301	Written Expression-III	3	1	-	4
FRE2302	Oral Expression-III	3	1	-	4
FRE2304	Understanding French Texts-I	4	2	-	6
FRE2305	Introduction to French and Francophone Civilization & Culture-I	3	1	-	4
Open Electives					4*+3
LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2401	Written Expression-IV	3	1	-	4
FRE2402	Oral Expression-IV	3	1	-	4
FRE2406	Understanding French Texts-II	3	1	-	4
FRE2407	Introduction to French and Francophone Civilization & Culture-II	4	1	-	5
Concentration Electives					4
FRE2405	French through activities	4	-	-	4
FRE2408	FOS: French for hotel and restaurant	4	-	-	4
Open Electives					4* + 3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*				
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2501	Written Expression-V	2	1	-	3
FRE2502	Oral Expression-V	2	1	-	3
FRE2506	Introduction to French Literature-I	4	1	-	5
FRE2507	Initiation to Translation	3	1	-	4
Concentration Electives					4

FRE2505	Introduction to French Linguistics	4	-	-	4
FRE2508	FOS: French for Tourism	4	-	-	4
Open Electives					4* + 3
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
FRE2601	Written Expression-VI	2	1	-	3
FRE2602	Oral Expression-VI	2	1	-	3
FRE2603	Introduction to French Literature-II	5	1	-	6
FRE2606	FOS: Professional & Business French	3	1	-	4
FRE2637	Project Report	-	-	-	2
Concentration Electives					4
FRE2607	Detailed study of a French Novel	4	-	-	4
FRE2608	Literature of France: from Origin to 16 th century	4	-	-	4
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication & Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

* Compulsory

13089 B.A-German (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
GER2101	Written Expression-I	5	1	-	6
GER2102	Oral Expression-I	5	1	-	6
GER2103	Introduction to German History and Culture (Eng)	2	1	-	3
Open Electives					7*+3
LAN2151	Foreign Language – I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies- I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
GER2201	Written Expression-II	4	1	-	5
GER2202	Oral Expression-II	4	1	-	5
GER2203	German through Activities	5	1	-	6
Open Electives					7*+3

LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies- II*	2	-	-	2
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
GER2301	Written Expression-III	3	1	-	4
GER2302	Oral Expression-III	3	1	-	4
GER2303	German History and Culture (Landeskunde) I	3	1	-	4
Open Electives					4*+3
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				19

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
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GER2401	Written Expression-IV	4	1	-	5
GER2402	Oral Expression-IV	3	1	-	4
GER2403	German through Literary Texts	4	1	-	5
Concentration Electives					4
GER2404	Enhancing language proficiency	4	-	-	4
GER2405	German Culture and Civilization (Landeskunde) II	4	-	-	4
Open Electives					4* + 3
LAN2451	Foreign Language – IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SUMMER PROJECT

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
GER2501	Written Expression-V	4	1	-	5
GER2502	Oral Expression-V	3	1	-	4
GER2503	Introduction to German Literature	4	1	-	5
GER2535	Summer Project Evaluation	-	-	-	3
Concentration Electives					4

GER2504	Introduction to Linguistics	4	-	-	4
GER2505	Business German-I	4	-	-	4
Open Electives					4* + 3
LAN2551	Foreign Language –V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
GER2601	Written Expression-VI	4	1	-	5
GER2602	Oral Expression-VI	4	-	-	4
GER2603	Introduction to Translation	5	1	-	6
GER2637	Dissertation	-	-	-	3
Concentration Electives					4
GER2604	Detailed Study of selected Author/Literary work`	4	-	-	4
GER2605	Business German-II	4	-	-	4
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication & Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

* Compulsory

13063 B.A-Spanish (Honors) (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
SPA2101	Written Expression-I	4	1	-	5
SPA2102	Oral Expression-I	4	1	-	5
SPA2103	Grammar and Communicative Spanish-I	4	1	-	5
Open Electives					7*+3
LAN2151	Foreign Language – I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies- I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
SPA2201	Written Expression-II	4	1	-	5
SPA2202	Oral Expression-II	4	1	-	5
SPA2203	Grammar and Communicative Spanish-II	5	1	-	6
Open Electives					7*+3

LAN2251	Foreign Language – II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies- II*	2	-	-	2
CSS2251	Presentation Skills*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
SPA2301	Written Expression-III	3	1	-	4
SPA2302	Oral Expression-III	3	1	-	4
SPA2303	Introduction to Spanish culture and civilization(Spanish)	3	1	-	4
Open Electives					4*+3
LAN2351	Foreign Language – III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading and Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				19

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
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SPA2401	Written Expression-IV	4	1	-	5
SPA2402	Oral Expression-IV	3	1	-	4
SPA2403	Business Spanish	4	1	-	5
Concentration Electives					4
SPA2404	Spanish through literary texts	4	-	-	4
SPA2405	Spanish through activities	4	-	-	4
Open Electives					4* + 3
	Foreign Language – IV*	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

SUMMER PROJECT

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
SPA2501	Written Expression-V	4	1	-	5
SPA2502	Oral Expression-V	3	1	-	4
SPA2503	Introduction to Translation	4	1	-	5
SPA2535	Summer Project Evaluation	-	-	-	3
Concentration Electives					4

SPA2504	Introduction to Linguistics	4	-	-	4
SPA2505	Introduction to Culture and Civilization of Latin American countries	4	-	-	4
Open Electives					4* + 3
LAN2551	Foreign Language –V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credit
SPA2601	Written Expression-VI	4	1	-	5
SPA2602	Oral Expression-VI	4	-	-	4
SPA2603	Introduction to Spanish Literature	5	1	-	6
SPA2637	Dissertation	-	-	-	3
Concentration Electives					4
SPA2604	Applied Spanish Grammar and Introduction to linguistics	4	-	-	4
SPA2605	Detail study of literary texts	4	-	-	4
Open Electives					2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication & Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					27

* Compulsory

AMITY INSTITUTE OF DESIGN

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13817 Bachelor of Design in Fashion Design (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2101	Pattern Making & Drafting-I	1	-	2	2
FST2102	Introduction to Apparel Manufacturing Technique	1	-	2	2
FST2103	Computer Applications	1	-	2	2
FST2104	Design & Colour Concept	2	-	-	2
FST2105	Fundamentals of Textiles	1	1	-	2
FST2106	Basics of Fashion	2	-	-	2
FST2107	Social and Psychological Aspects of Clothing	2	-	-	2
FST2108	Fashion Art Illustration & Model Drawing-I	1	1	2	3
Open Electives					(9+3)
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies	4	-	-	4
LAN2151	Foreign Language-I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					29

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2201	Fashion Art Illustration & Model Drawing-II	1	-	2	2

FST2202	Pattern Making & Drafting-II	1	-	2	2
FST2203	Garment Construction-I	1	-	2	2
FST2204	Computer Aided Design-I	-	-	2	1
FST2205	Fabric Artistry & Embroidery	1	-	2	2
FST2206	Design Process & Application of Colour Theory	2	1	-	3
FST2207	Technology of Textiles Manufacturing	2	1	-	3
FST2208	Fashion-Business Laws, Ethics & Communication	2	1	-	3
FST2209	Fashion Theory	3	-	-	3
Open Electives					(5+3)
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Foreign Language-II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					29

THIRD SEMESTER

Project (on Fashion Industry) Presentation

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2301	Fashion Art Illustration & Model Drawing-III	1	-	2	2
FST2302	Advance Pattern Making-I	1	-	2	2
FST2303	Garment Construction-II	1	-	2	2
FST2304	History of Indian Costumes	-	-	-	3
FST2305	Technology of Processing & Care Renovation of Textiles	2	1	-	3
FST2306	Apparel Production	1	-	2	2
FST2307	Basics of Management	1	-	-	1
FST2308	Introduction to Fashion Research & Product Development Process	1	-	-	1
FST2309	Computer Aided Manufacturing	1	1	2	3

FST2332	Project Presentation	-	-	-	3
Open Electives					(4+3)
CSS2151	Effective Listening *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
LAN2351	Foreign Language – III *	2	-	-	2
LAN2351	French-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2401	Fashion Art Illustration & Model Drawing-IV	1	-	2	2
FST2402	Advance Pattern Making-II	-	-	2	1
FST2403	Garment Construction-III	-	-	2	1
FST2404	Computer Aided Design-III	1	-	2	2
FST2405	Fashion Merchandizing-I	1	1	-	2
FST2406	Quality Control & Production Management-I	2	1	-	3
FST2407	History of Western Costumes	-	-	-	3
FST2408	Visual Merchandising	2	1	-	3
FST2409	Fashion Marketing Management	2	1	-	3
Concentration Electives					3
FST2410	Traditional Indian Textiles Documentation	-	-	-	3
FST2411	Study on Traditional Dresses of India	-	-	-	3
FST2431	Term Paper	-	-	-	2
FST2433	Workshops / Certification (Discipline specific)	-	-	-	1
Open Electives					(4+3)

CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				30

FIFTH SEMESTER

Craft Documentation – 4 weeks (Compulsory)

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2501	Fashion Art Illustration and Model Drawing-V	1	-	2	2
FST2502	Garment Construction-IV	-	-	2	1
FST2503	Computer Aided Design-IV	1	-	2	2
FST2504	Pattern Draping	-	-	2	1
FST2505	Pattern Grading	-	-	2	1
FST2506	Fashion Merchandizing-II	2	1	-	3
FST2507	Quality Control & Production Management-II	2	1	-	3
FST2508	Fashion Forecasting	2	1	-	3
FST2535	Craft Documentation (Market Visit, Field Trip, Documentation & Presentation, Scope & Final Presentation)	-	-	-	6
	Concentration Electives (Choose any One Group)				2
	Group-1				
FST2509	Manufacturing process in Apparel Industry & Export Management	1	-	-	1
FST2510	Quality Assurance in Apparel Industry	1	-	-	1
	Group-2				
FST2511	Fashion Retailing & Visual Merchandising	1	-	-	1
FST2512	Fashion Promotion	1	-	-	1
	Group-3				
FST2513	The Business of Luxury Fashion	1	-	-	1

FST2514	Couture Design	1	-	-	1
Open Electives					(4+3)
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					31

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2601	Retail Merchandising and Management	2	1	-	3
FST2602	Fashion study applicable to home furnishing	2	1	-	3
FST2603	Leather Science Applicable to Fashion Art	2	1	-	3
FST2604	Entrepreneurship	2	1	-	3
FST2605	Nonwovens in Fashion Apparel Applications	2	1	-	3
FST2606	Designing and Development of Fashion Accessories	-	-	2	1
FST2610	Advance Pattern Making-III	-	-	2	1
FST2611	Garment Construction-V	-	-	2	1
Concentration Electives					3
FST2607	Sportswear Design & Development	-	-	-	3
FST2608	Costume Design Pertaining to Performing Arts	-	-	-	3
FST2609	Functions of Indian Buying Houses / Agents - A Study	-	-	-	3
Open Electives					(2+3)
CSS2451	Corporate Communication *	1	-	-	1
BEH2652	Interpersonal Communication *	1	-	-	1

	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

SEVENTH SEMESTER

Inspiration Fashion – Field Trip / Visits – 4 weeks (Compulsory)

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours	Total Credits
FST2701	Fabric Manufacturing Technology : Crochet & Non-woven	2	1	-	3
FST2702	Field Trip / Visit Documentation Evaluation	-	-	-	4
FST2703	Computer Aided Design-V	2	-	2	3
FST2704	Graduate Design Collection <ul style="list-style-type: none"> • Fashion Market Study • Field Trip / Visit – Report Evaluation • Portfolio Development • Digital Design Techniques & Presentation • Range Development & Final Presentation 	-	-	-	10
	TOTAL				20

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
FST2837	Graduation Project Session-I Fashion Industry Project (Duration 16 weeks) Session-II Jury and Report Evaluation	-	-	-	16
	TOTAL	-	-	-	16

13803 Bachelor of Interior Design (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2101	Language of Design #	2	1	-	3
IND2102	Design Fundamentals & Illustration Techniques-I	-	1	2	2
IND2103	Design Elements & Principles	-	1	2	2
IND2104	Design Studio-I (Basic Graphics)	-	-	4	2
IND2105	Colour Concept & Applications	-	-	4	2
IND2106	Introduction to Craft & Model Making	-	-	2	1
IND2107	History of Design & Culture	2	-	-	2
IND2108	Calligraphy Exploration	-	-	2	1
IND2109	Fundamentals of Form Studies	-	-	2	1
Open Electives					(7+3)
CSS2152	English-I *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I	2	-	-	2
LAN2151	Foreign Language-I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2201	Introduction to Design Theory #	2	1	-	3
IND2202	Technical Drawing & Illustrations	-	1	2	2

IND2203	Design Fundamentals & Illustration Techniques-II	-	-	4	2
IND2204	Design Studio-II (Photography & Videography)	-	-	4	2
IND2205	Application of Color Theory	-	-	4	2
IND2206	Fundamentals of Applied Ergonomics	2	-	-	2
IND2207	Typography Exploration	-	-	2	1
IND2208	Introduction to Prototyping Techniques	1	1	2	3
IND2233	Seminar or Guest Lecture or Workshop for Skill Development	-	-	-	1
Open Electives					(7+3)
CSS2252	English-II *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Foreign Language-II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2301	Introduction to Spatial Design #	2	1	-	3
IND2302	Interior Design Materials & Applications	2	-	-	2
IND2303	Elements of Interior Space Planning & Scaling	-	1	2	2
IND2304	Psychology of Living Environments	2	-	-	2
IND2311	Fundamental of Structures	2	-	-	2
IND2306	History of Interior Design & Study on Popular Styles	2	-	-	2
IND2307	Lighting & Colour in Interiors	2	-	-	2
IND2308	Perspective Drawing Techniques & Technical Specs-I	-	-	4	2
IND2309	Interior Design Studio-I	-	-	4	2

IND2310	Interior Workshop Practice-I	-	-	4	2
Open Electives					(4+3)
CSS2151	Effective Listening *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
LAN2351	Foreign Language-III *	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2401	Sustainable Design #	2	1	-	3
IND2402	Advanced Interior Design Materials & Applications	2	1	-	3
IND2403	Interior Services	1	1	-	2
IND2404	Estimation, Costing & Project Management	1	1	-	2
IND2405	Perspective Drawing Techniques & Technical Specs-II	-	1	4	3
IND2406	Interior Design Studio-II	-	1	4	3
IND2407	Interior Workshop Practice-II	-	1	4	3
IND2433	Seminar or Guest Lecture or Workshop for Skill Development	-	-	-	4
Open Electives					(4+3)
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1

LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				30

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2501	Design Thinking & Creative Problem Solving #	2	1	-	3
IND2502	Revitalization of Arts & Crafts	1	-	-	1
IND2503	Interior Safety Systems & Building Management	2	-	-	2
IND2504	Textile in Interiors	2	-	-	2
IND2505	Interior Landscape Design	1	-	2	2
IND2506	Interior Design Studio-III	-	-	4	2
IND2507	Computer Aided Interior Design & Drafting	-	1	4	3
IND2508	Interior Space Modeling Workshop-I	-	-	4	2
IND2532	Integrated Project Work	-	4	-	4
Open Electives					(4+3)
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
LAN2551	Foreign Language – V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
	Hindi-V				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				28

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2601	Introduction to Design Management #	2	1	-	3
IND2602	Marketing & Entrepreneurship Development	1	-	-	1
IND2603	Professional Practice & Office Management	1	-	-	1
IND2604	Interior Design Studio-IV	-	-	4	2
IND2605	Computer Aided Interior Design & Visualization	-	1	4	3
IND2606	Interior Space Modeling Workshop-II	-	-	4	2
IND2633	Seminar or Guest Lecture or Workshop for Skill Development	-	-	-	4
Concentration Electives (Choose any One Group)					9
Furniture Design (Elective Group-I)					
IND2607	Furniture Ergonomics & Design	2	-	2	3
IND2608	History of Furniture Design	3	-	-	3
IND2609	Furniture Construction and Detailing	2	-	2	3
Sustainable Interior Design (Elective Group-II)					
IND2610	Sustainable Interior Design& Materials	3	-	-	3
IND2611	Sustainable Interior Renovation	3	-	-	3
IND2612	Adaptive Reuse & Retrofit	3	-	-	3
Public Space Design (Elective Group-III)					
IND2613	Performance Space Design	2	-	2	3
IND2614	Public Art	2	-	2	3
IND2615	Public Space Design-Contextual Studies	3	-	-	3
Open Electives					(4+3)
CSS2451	Corporate Communication *	1	-	-	1
BEH2652	Interpersonal Communication *	1	-	-	1

LAN2651	Foreign Language – VI*	2	-	-	2
LAN2652	French-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
LAN2659	Hindi-VI				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				32

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
IND2701	Advanced Interior Design Studio	-	-	4	2
	Interior Design Project				
IND2702	Design Research Methods & Presentation Techniques	2	1	-	3
IND2733	Seminar	-	-	-	3
IND2736	Interior Design Portfolio Development	-	2	4	4
IND2737	Interior Design Dissertation	-	-	-	6
	Open Electives				*4
CSS2551	Employability Skills	1	-	-	1
BEH2751	Relationship Management	1	-	-	1
LAN2751	Foreign Language – VII*	2	-	-	2
LAN2752	French-VII				
LAN2753	German-VII				
LAN2754	Spanish-VII				
LAN2755	Russian-VII				
LAN2756	Chinese-VII				
LAN2757	Portuguese-VII				
LAN2758	Korean-VII				
LAN2759	Japanese-VII				
LAN2759	Hindi-VII				
	TOTAL	-	-	-	22

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours	Total Credits
IND2837	Training & Onsite Learning	-	-	-	16
	Session-I				
	<ul style="list-style-type: none"> • Visits- Traditional and Modern Interiors, Sites, Industry etc. 				
	<ul style="list-style-type: none"> • Learn- Products & Services Related to Interiors 				
	<ul style="list-style-type: none"> • Learn- Quantity Surveying of Interior Works 				
	<ul style="list-style-type: none"> • Market Study- Interior Art, Artifacts and Interior Products 				
	<ul style="list-style-type: none"> • Learn- Building Services Integrated to Interior Designs. 				
	<ul style="list-style-type: none"> • Learn- Demarcation of Design Coordinated with Drawings 				
	Session-II				
	<ul style="list-style-type: none"> • Training Report Evaluation 				
	TOTAL				16

13057 Bachelor of Fine Arts (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2101	Drawing-I	1	-	4	3
FNA2102	Geometrical Drawing & Perspective-I	1	-	2	2
FNA2103	Design-I	1	-	2	2
FNA2104	Painting-I	1	-	2	2
FNA2105	Sculpture-I	1	-	2	2
FNA2106	Print Making-I	1	-	2	2
FNA2107	History of Art-I	2	-	-	2
Concentration Electives					2
FNA2108	Visual Graphics-I	1	-	2	2
FNA2109	Photography-I	1	-	2	2
Open Electives					5*+3
CSS2152	English-I*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
LAN2151	Foreign Language-I*	3	-		3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2201	Drawing-II	1	-	2	2
FNA2202	Geometrical Drawing & Perspective-II	1	-	2	2

FNA2203	Design-II	1	-	2	2
FNA2204	Painting-II	1	-	2	2
FNA2205	Sculpture-II	1	-	2	2
FNA2206	Print Making-II	1	-	2	2
FNA2207	History of Art-II	2	-	-	2
Concentration Electives					2
FNA2208	Visual Graphics-II	1	-	2	2
FNA2209	Photography-II	1	-	2	2
Open Electives					9*+3
CSS2252	English-II*	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
	Foreign Language-II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

**SUMMER INTERNSHIP-I
THIRD SEMESTER (SPECILIZATION)**

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2301	History of Art-III	2	-	-	2
FNA2302	Aesthetics-I	2	-	-	2
FNA2335	Summer Project Evaluation-I	-	-	-	3
SPECIALISATION – SCULPTURE					
FNA2303	Study from Life-I	1	-	4	3
FNA2304	Composition -I	1	-	2	2
FNA2305	Carving-I	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2306	• Mural-I	1	-	2	2
FNA2307	• Photography-I	1	-	2	2
FNA2308	• Ceramics-I	1	-	2	2
FNA2309	• Assemblage-I	1	-	2	2
FNA2310	Sculpture Methods & Materials - I	2	-	-	2
				TOTAL	13
SPECIALISATION - APPLIED ARTS					
FNA2311	Drawing & Illustration-I	1	-	2	2
FNA2312	Design-III	1	-	4	3

FNA2313	Lettering & Typography-I	1	-	2	2
FNA2314	(Subsidiary Subject-Select any two)	1	-	2	2
FNA2315	• Photography-III	1	-	2	2
FNA2316	• Printing Techniques-I	1	-	2	2
FNA2317	Advertising Theory-I	2	-	-	2
				TOTAL	13
SPECIALISATION - PAINTING					
FNA2318	Drawing-III	1	-	2	2
FNA2319	Painting-III	1	-	4	3
FNA2320	Composition-I	1	-	2	2
FNA2321	(Subsidiary Subject-Select any two)	1	-	2	2
FNA2322	• Photography-III	1	-	2	2
FNA2323	• Print Making-III	1	-	2	2
FNA2324	• Computer Graphic-I	1	-	2	2
FNA2324	Painting Methods & Materials-I	1	-	2	2
				TOTAL	13
Open Electives					4*+3
CSS2151	Effective Listening*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
LAN2351	Foreign Language-III *	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2401	History of Art - IV	2	-	-	2
FNA2402	Aesthetics - II	2	-	-	2
SPECIALISATION – SCULPTURE					
FNA2403	Study from Life- II	1	-	4	3
FNA2404	Composition- II	1	-	4	3
FNA2405	Carving- II	1	-	1	1
FNA2406	(Subsidiary Subject-Select any two)	1	-	2	2
	• Mural - II				

FNA2407	• Photography - II	1	-	2	2
FNA2408	• Ceramics - II	1	-	2	2
FNA2409	• Assemblage - II	1	-	2	2
FNA2410	Sculpture Methods & Materials - II	2	-	-	2
				TOTAL	13
SPECIALISATION - APPLIED ARTS					
FNA2411	Drawing & Illustration - II	1	-	2	2
FNA2412	Design - IV	1	-	4	3
FNA2413	Lettering & Typography - II	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2414	• Computer Graphics - II	1	-	2	2
FNA2415	• Printing Techniques - II	1	-	2	2
FNA2416	Advertising Theory - II	2	-	-	2
				TOTAL	13
SPECIALISATION - PAINTING					
FNA2417	Drawing - IV	1	-	2	2
FNA2418	Painting - IV	1	-	4	3
FNA2419	Composition - II	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2420	• Mural - I	1	-	2	2
FNA2421	• Print Making - II	1	-	2	2
FNA2422	Painting Methods & Materials - II	1	-	2	2
				TOTAL	13
Open Electives					4*+3
CSS2251	Presentation Skills*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Foreign Language- IV *	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

PRACTICAL TRAINING - I (6 WEEKS)

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2501	History of Art - V	2	-	-	2

FNA2502	Aesthetics - III	2	-	-	2
FNA2535	Practical Training - I (Evaluation)	-	-	-	3
SPECIALISATION– SCULPTURE					
FNA2503	Study from Life - III	1	-	4	3
FNA2504	Composition - III	1	-	2	2
FNA2505	Metal Casting - I	1	-	2	2
FNA2506	(Subsidiary Subject - Select any two) • Mural - III	1	-	2	2
FNA2507	• Photography - III	1	-	2	2
FNA2508	• Ceramics - III	1	-	2	2
FNA2509	• Assemblage - III	1	-	2	2
FNA2510	Sculpture Methods & Materials - III	2	-	1	2
				TOTAL	13
SPECIALISATION – APPLIED ARTS					
FNA2511	Drawing & Illustration - III	1	-	2	2
FNA2512	Design - V	1	-	4	3
FNA2513	Packaging - I	1	-	2	2
FNA2514	(Subsidiary Subject-Select any two) • Computer Graphics - III	1	-	2	2
FNA2515	• Printing Techniques - III	1	-	2	2
FNA2516	• Textile Design - I	1	-	2	2
FNA2517	Advertising Theory - III	2	-	-	2
				TOTAL	13
SPECIALISATION – PAINTING					
FNA2518	Drawing - V	1	-	2	2
FNA2519	Painting - V	1	-	4	3
FNA2520	Composition - III	1	-	2	2
FNA2521	(Subsidiary Subject-Select any two) • Photography - III	1	-	2	2
FNA2522	• Print Making - III	1	-	2	2
FNA2523	• Traditional Painting - I	1	-	2	2
FNA2524	Painting Methods & Materials - III	2	-	1	2
				TOTAL	13
Concentration Electives					
3					
FNA2534	Study Abroad	-	-	-	3
FNA2532	Project - I	-	-	-	3
Open Electives					
4*+3					
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				

CSS2351	Reading and Comprehension*	1	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				30

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2601	History of Art - VI	2	-	-	2
FNA2602	Aesthetics - IV	2	-	-	2
FNA2637	Dissertation-I	-	-	-	6
SPECIALISATION – SCULPTURE					
FNA2603	Study from Life - IV	1	-	2	2
FNA2604	Composition - IV	1	-	2	2
FNA2605	Metal Casting - II	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2606	• Mural - IV	1	-	2	2
FNA2607	• Photography - IV	1	-	2	2
FNA2608	• Ceramics - IV	1	-	2	2
FNA2609	• Assemblage - IV	1	-	2	2
FNA2610	Sculpture Methods & Materials - IV	2	-	1	2
				TOTAL	12
SPECIALISATION – APPLIED ARTS					
FNA2611	Drawing & Illustration - IV	1	-	2	2
FNA2612	Design-VI	1	-	4	3
FNA2613	Packaging-II	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2614	• Printing Techniques-IV	1	-	2	2
FNA2615	• Computer Graphics - IV	1	-	1	1
FNA2616	• Textile Design - II	1	-	2	2
FNA2617	Advertising Theory - IV	2	-	-	2
				TOTAL	12
SPECIALISATION – PAINTING					
FNA2618	Drawing - VI	1	-	2	2
FNA2619	Painting - VI	1	-	4	3
FNA2620	Composition - IV	1	-	2	2
	<u>(Subsidiary Subject - Select any two)</u>				
FNA2621	• Mural - II	1	-	2	2
FNA2622	• Print Making - II	1	-	1	1
FNA2623	Painting Methods & Materials - IV	2	-	1	2
				TOTAL	12
Concentration Electives					
FNA2634	Study Abroad	-	-	-	3

FNA2630	Traditional Artwork	2	-	2	3
Open Electives					4*+3
LAN2651	Foreign Language-VI*	2	-	-	2
LAN2652	French-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
LAN2659	Hindi-VI				
CSS2451	Corporate Communication*	1	-	-	1
BEH2652	Interpersonal Communication*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					32

PRACTICAL TRAINING - II (8 WEEKS)
SEVENTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2701	History of Modern Art - I	2	-	-	2
FNA2735	Practical Training Evaluation-II	-	-	-	2
SPECIALISATION – SCULPTURE					
FNA2702	Study from Life - V	1	-	2	2
FNA2703	Composition - V	1	-	2	2
FNA2704	Metal Casting - III	1	-	2	2
	<u>(Subsidiary Subject-Select any two)</u>				
FNA2705	• Mural - V	1	-	2	2
FNA2706	• Photography -V	1	-	2	2
FNA2707	• Ceramics - V	1	-	2	2
FNA2708	• Assemblage - V	1	-	2	2
FNA2709	Sculpture Methods & Materials - V	2	-	-	2
				TOTAL	12
SPECIALISATION – APPLIED ARTS					
FNA2710	Design - VII	2	-	6	5
FNA2711	Packaging - III	1	-	4	3
	<u>(Subsidiary Subject-Select any one)</u>				
FNA2712	• Drawing & Illustration - V	1	-	2	2
FNA2713	• Computer Graphics - V	1	-	2	2
FNA2714	• Photography - V	1	-	2	2
FNA2715	History of Design - I	2	-	-	2
				TOTAL	12
SPECIALISATION – PAINTING					
FNA2716	Drawing - VII	1	-	4	3
FNA2717	Painting & Composition - I	1	-	8	5

FNA2718	(Subsidiary Subject-Select any one)	1	-	2	2
FNA2719	• Mural - III	1	-	2	2
FNA2720	• Print Making - III	2	-	1	2
				TOTAL	12
Concentration Electives					3
FNA2732	Project- II	2	-	2	3
FNA2733	Workshops/Certification/Exhibition (Discipline specific) (1 Credit Per Workshop/Exhibition)	-	-	-	3
Open Electives					4*
LAN2751	Foreign Language-VII *	2	-	-	2
LAN2752	French-VII				
LAN2753	German-VII				
LAN2754	Spanish-VII				
LAN2755	Russian-VII				
LAN2756	Chinese-VII				
LAN2757	Portuguese-VII				
LAN2758	Korean-VII				
LAN2759	Japanese-VII				
LAN2759	Hindi-VII				
CSS2551	Employability Skills*	1	-	-	1
BEH2751	Relationship Management*	1	-	-	1
TOTAL					23

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA2801	History of Art - VIII	2	-	-	2
FNA2837	Portfolio Development & Presentation With Exhibitions	2	-	6	5
SPECIALISATION – SCULPTURE					
FNA2802	Study from Life - VI	1	-	2	2
FNA2803	Composition - VI	1	-	2	2
FNA2804	Metal Casting - IV	1	-	2	2
	(Subsidiary Subject- Select any two)				
FNA2805	• Mural - IV	1	-	2	2
FNA2806	• Photography – IV	1	-	2	2
FNA2807	• Ceramics - IV	1	-	2	2
FNA2808	• Assemblage - IV	1	-	2	2
FNA2809	Sculpture Methods & Materials - IV	2	-	-	2
TOTAL					12
SPECIALISATION – APPLIED ARTS					
FNA2810	Design - VIII	2	-	6	5
FNA2811	Packaging - IV	1	-	4	3

	(Subsidiary Subject - Select any one)				
FNA2812	• Drawing & Illustration - VI	1	-	2	2
FNA2813	• Computer Graphics - VI	1	-	2	2
FNA2814	• Photography - VI	1	-	2	2
FNA2815	History of Design - II	2	-	-	2
				TOTAL	12
SPECIALISATION – PAINTING					
FNA2816	Drawing - VIII	1	-	4	3
FNA2817	Painting & Composition - II	1	-	8	5
	(Subsidiary Subject-Select any one)				
FNA2818	• Mural - IV	1	-	2	2
FNA2819	• Print Making - IV	1	-	2	2
FNA2820	Painting Methods & Materials - VI	2	-	1	2
				TOTAL	12
Open Electives					
					2
CSS2651	Workplace Communication*	1	-	-	1
BEH2851	Personal & Professional Excellence	1	-	-	1
	TOTAL				21

13010 Master of Fine Arts (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
SPECIALISATION- APPLIED ARTS					
FNA4101	Visualization - I	2	2	8	8
FNA4102 FNA4103 FNA4104	(Subsidiary Subject-Select any one) Graphic Designing – I TV Graphics – I Illustration - I	2	2	8	8
FNA4105	Advertising & Marketing Research – I	2	-	-	2
SPECIALISATION - PAINTING					
FNA4106	Drawing - I	2	2	8	8
FNA4107 FNA4108 FNA4109	(Subsidiary Subject-Select any one) • Creative Painting - I • Mural (Painting) - I • Portraiture - I	2	2	8	8
FNA4110	History of Art (20 th Century) - I	2	-	-	2
SPECIALISATION- SCULPTURE					
FNA4111	Creative Drawing - I	2	2	8	8
FNA4112	History of Art - 20th Century Art (Sculpture) - I	2	-	-	2
FNA4113 FNA4114 FNA4115	(Subsidiary Subject-Select any one) • Portraiture Sculpture- I • Mural (Sculpture)- I • Creative Sculpture-I	2	2	8	8
Open Electives					*5

LAN4151	Foreign Business Language- I	3	-		3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
CSS4151	Basics of Communication	1	-		1
BEH4151	Self-Development & Interpersonal Skills	1	-		1
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA4237	Report & Viva (Specialization Specific)	-	-	-	1
SPECIALISATION- APPLIED ARTS					
FNA4201	Visualization - II	2	2	8	8
FNA4202 FNA4203 FNA4204	(Subsidiary Subject - Select any one) • Graphic Designing - II • TV Graphics - II • Illustration - II	2	2	8	8
FNA4205	Advertising & Marketing Research - II	2	1	-	3
SPECIALISATION- PAINTING					
FNA4206	Drawing -II	2	2	8	8
FNA4207 FNA4208 FNA4209	(Subsidiary Subject-Select any one) • Creative Painting - II • Mural (Painting) - II • Portraiture - II	2	2	8	8
FNA4210	History of Art (20 th Century) - II	2	1	-	3
SPECIALISATION- SCULPTURE					
FNA4211	Creative Drawing -II	2	2	8	8
FNA4212 FNA4213 FNA4214	(Subsidiary Subject-Select any one) • Portraiture Sculpture- II • Mural (Sculpture) - II • Creative Sculpture- II	2	2	8	8
FNA4215	History of Art - (20 th Century) - II	2	1	-	3

Open Electives					*5
LAN4251	Foreign Business Language-II	3	-		3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
LAN4259	Hindi-II				
CSS4251	Corporate Communication	1	-		1
BEH4251	Behavioural Communication & Relationship Management	1	-		1
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA4337	Dissertation & Viva (Specialization Specific)-I	-	-	-	2
SPECIALISATION - APPLIED ARTS					
FNA4301	Visualization - III	2	2	8	8
FNA4302	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4303	• Graphic Designing-III				
FNA4304	• TV Graphics - III				
FNA4304	• Illustration - III				
FNA4305	Advertising & Business Organization-I	2	1	-	3
SPECIALISATION - PAINTING					
FNA4306	Drawing – III	2	2	8	8
FNA4307	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4308	• Creative Painting - III				
FNA4309	• Mural Painting - III				
FNA4309	• Portraiture - III				
FNA4310	Art Criticism (Painting) - I	2	1	-	3
SPECIALISATION- SCULPTURE					
FNA4311	Creative Sculpture - III	2	2	8	8
FNA4312	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4313	• Portraiture Sculpture - III				
FNA4313	• Mural (Sculpture) - III				
FNA4315	Art Criticism (Sculpture) - I	2	1	-	3
Open Electives					*4

LAN4351	Foreign Business Language- III	2	-		2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
LAN4359	Hindi-III				
CSS4351	Interpersonal Communication	1	-		1
BEH4351	Leading Through Teams	1	-		1
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per Week	Tutorial (T) Hours per Week	Practical (P) Hours per Week	Total Credits
FNA4437	Dissertation & Viva (Specialization Specific) - II	-	-	-	6
	SPECIALISATION - APPLIED ARTS				
FNA4401	Visualization - IV	2	2	8	8
FNA4402	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4403	• Graphic Designing - IV				
FNA4404	• TV Graphics - IV				
FNA4404	• Illustration - IV				
FNA4405	Advertising & Business Organization - II	2	1	-	3
	SPECIALISATION - PAINTING				
FNA4406	Drawing - IV	2	2	8	8
FNA4407	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4408	• Creative Painting - IV				
FNA4409	• Mural (Painting) - IV				
FNA4409	• Portraiture - IV				
FNA4410	Art Criticism (Painting) - II	2	1	-	3
	SPECIALISATION - SCULPTURE				
FNA4411	Creative Drawing - IV	2	2	8	8
FNA4412	(Subsidiary Subject-Select any one)	2	2	8	8
FNA4413	• Portraiture Sculpture - IV				
FNA4414	• Mural (Sculpture) - IV				
FNA4414	• Creative Sculpture - II				
FNA4415	Art Criticism (Sculpture) - II	2	1	-	3
	Open Electives				
					*2
CSS4451	Cross Cultural Communication	1	-		1
BEH4451	Professional Excellence	1	-		1
	TOTAL				27

AMITY SCHOOL OF COMMUNICATION

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13798 B.A.-J&MC (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN2151	Print Media – Reporting & Editing	2	-	2	3
JRN2107	Advertising Principles & Planning	2	-	2	3
JRN2108	Computer Graphics & Animation	2	-	2	3
JRN2109	Understanding Mass Communication	2	1	-	3
Concentration Electives					3
JRN2104	Introduction to Visual Communication	2	-	2	3
JRN2105	Introduction to Culture & Society	2	1	-	3
JRN2110	News and Contemporary Issues	2	1	-	3
Open Electives					7*+3
LAN2151	Foreign Language-I * French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN2251	Basic Photography	2	-	2	3
JRN2202	Print Media – Specialized Reporting & Feature Writing	2	-	2	3
JRN2207	Electronic Communication: Radio & TV	2	-	2	3
JRN2208	Media Planning & Buying	2	1	-	3
Concentration Electives					3
JRN2230	Readings in Media	2	-	2	3
JRN2232	Project (with Presentation & Evaluation)	2	-	2	3
JRN2236	Media Production Portfolio	2	-	2	3
Open Electives					*7+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN2351	TV Journalism	2	-	2	3
JRN2303	Digital Photography	2	-	2	3
JRN2304	Public Relations	2	1	-	3
JRN2307	Development Communication	2	1	-	3
JRN2308	Mass Communication Research-I	2	-	2	3

Concentration Electives					3
JRN2330	Readings in Media	2	-	2	3
JRN2332	Project (with Presentation & Evaluation)	1	-	4	3
JRN2336	Media Production Portfolio	1	-	4	3
Open Electives					4*+3
LAN2351	Foreign Language-III* French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN2451	TV Production and Presentation	2	-	2	3
JRN2401	Film Theory & Practice-I	2	-	2	3
JRN2402	Corporate Communication	2	-	2	3
JRN2408	Media Laws & Management	2	1	-	3
JRN2432	Project (with presentation & evaluation)	2	-	2	3
Concentration Electives					3
JRN2404	Web Designing	2	-	2	3
JRN2406	Advertising Design	2	-	2	3
JRN2407	Brand Management	2	-	2	3
JRN2409	Digital Marketing	2	-	2	3
Open Electives					4*+3

LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

**SUMMER INTERNSHIP
FIFTH SEMESTER**

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN2551	New Media	2	-	2	3
JRN2501	Film Theory and Practice - II	2	-	2	3
JRN2506	Data Journalism	2	-	2	3
JRN2507	Mass Communication Research-II	2	-	2	3
JRN2535	Summer Internship Evaluation	-	-	-	3
Concentration Electives					3
JRN2502	National and International Issues & Affairs	2	-	2	3
JRN2503	Event Management	2	-	2	3
JRN2504	Multimedia Journalism	2	-	2	3
Open Electives					4*+3
LAN2551	Foreign Language–V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P)/ Self Study Hours per week	Total Credits
JRN2602	Media Analysis	2	-	2	3
JRN2635	Internship	-	-	-	8
JRN2637	Professional Project OR Dissertation (Specialization: (Any one)) <ul style="list-style-type: none"> • Print • Advertising • Public Relations & Corporate Communication • Photography • Electronic Communication • Event Management • New Media 	4	-	10	9
Open Electives					*2+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

**131468 B.A.-J&MC- International (Global Study Program)
(Total Credits-150)**

Programme Structure-2021 (Semester 1-4)

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRG2101	Print Media – Reporting & Editing	2	-	2	3
JRG2102	Advertising Principles & Planning	2	-	2	3
JRG2103	Computer Graphics & Animation	2	-	2	3
JRG2104	Understanding Mass Communication	2	1	-	3
Concentration Electives					3
JRG2105	Introduction to Visual Communication	2	-	2	3
JRG2106	Introduction to Culture & Society	2	1	-	3
JRG2107	News and Contemporary Issues	2	1	-	3
Open Electives					7*
LAN2151	Foreign Language-I * French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	2
TOTAL					22

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
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JRG2201	Basic Photography	2	-	2	3
JRG2202	Print Media – Specialized Reporting & Feature Writing	2	-	2	3
JRG2203	Electronic Communication: Radio & TV	2	-	2	3
JRG2204	Media Planning & Buying	2	1	-	3
Concentration Electives					3
JRG2230	Readings in Media	2	-	2	3
JRG2232	Project (with Presentation & Evaluation)	2	-	2	3
JRG2236	Media Production Portfolio	2	-	2	3
Open Electives					*7
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
TOTAL					22

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRG2301	TV Journalism	2	-	2	3
JRG2302	Digital Photography	2	-	2	3
JRG2303	Public Relations	2	1	-	3
JRG2304	Development Communication	2	1	-	3
JRG2305	Mass Communication Research-I	2	-	2	3
Concentration Electives					3
JRG2330	Readings in Media	2	-	2	3
JRG2332	Project (with Presentation & Evaluation)	1	-	4	3
JRG2336	Media Production Portfolio	1	-	4	3
Open Electives					4*

LAN2351	Foreign Language-III*	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian-III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
TOTAL					22

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRG2401	TV Production and Presentation	2	-	2	3
JRG2402	Film Theory & Practice-I	2	-	2	3
JRG2403	Corporate Communication	2	-	2	3
JRG2404	Media Laws & Management	2	1	-	3
JRG2432	Project (with presentation & evaluation)	2	-	2	3
Concentration Electives					3
JRG2405	Web Designing	2	-	2	3
JRG2406	Advertising Design	2	-	2	3
JRG2407	Brand Management	2	-	2	3
JRG2408	Digital Marketing	2	-	2	3
Open Electives					4*
LAN2451	Foreign Language – IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
TOTAL					22

13493 B.Sc.-Animation & Visual Graphics (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
ANI2152	Introduction to Multimedia and its Application	2	-	2	3
ANI2106	Design Software	2	-	2	3
ANI2107	Stop Motion	1	-	4	3
ANI2108	Basics of Art History and Sketching & Drawing	1	1	2	3
Concentration Electives					3
ANI2101	Typography	2	1	-	3
ANI2105	Introduction to Visual Communication	2	-	2	3
ANI2133	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1
ANI2134	Study Abroad	-	-	-	3
Open Electives					*7+3
LAN2151	Foreign Language- I*	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
ENV2151	Environmental Studies-I*	2	-	-	2
CSS2151	Effective Listening*	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
ANI2252	Creating 2D Animation	2	-	2	3
ANI2202	Web Design & Development	1	1	2	3
ANI2209	UI and UX Design	2	-	2	3
ANI2210	Production Pipeline	2	-	2	3
ANI2211	Fundamentals of Classical Animation	1	1	2	3
Concentration Electives					3
ANI2201	Digital Photography	1	1	2	3
ANI2212	Online Certification (Minimum 30 Hours)	-	-	-	3
ANI2233	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1
ANI2234	Study Abroad	-	-	-	3
Open Electives					7*+3
LAN2251	Foreign Language-II* French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
ENV2251	Environmental Studies-II*	2	-	-	2
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

SUMMER PROJECT-I

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
ANI2352	3D Modeling & Texturing	1	-	4	3

ANI2301	Lighting and Rendering	1	-	4	3
ANI2302	Rigging and Animation	1	-	4	3
ANI2305	Audio & Video Post Production	1	-	4	3
ANI2335	Summer Project Evaluation-I	-	-	-	3
Concentration Electives					3
ANI2307	Design Thinking	1	1	2	3
ANI2308	Online Certification (Minimum 30 Hours)	-	-	-	3
ANI2333	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1
ANI2334	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2351	Foreign Language-III* French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					25

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
ANI2452	Maya Modeling & Texturing	1	-	4	3
ANI2401	Lighting and Rendering in Maya	1	-	4	3
ANI2405	Digital Compositing	2	-	2	3
ANI2406	Introduction to Game Development	1	-	4	3
Concentration Electives					3
ANI2407	Motion Graphics	1	1	2	3
ANI2408	Online Certification (Minimum 30 Hours)	-	-	-	3
ANI2433	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1

ANI2434	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2451	Foreign Language- IV*	2	-	-	2
LAN2451	French-IV				
LAN2452	German- IV				
LAN2453	Spanish- IV				
LAN2454	Russian- IV				
LAN2455	Chinese- IV				
LAN2456	Portuguese- IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					22

SUMMER PROJECT-II

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
ANI2505	Maya Rigging & Animation	1	-	4	3
ANI2506	Game Development with AR VR	1	-	4	3
ANI2507	Maya Particle & Dynamics	1	-	4	3
ANI2535	Summer Project Evaluation-II	-	-	-	6
Concentration Electives					3
ANI2552	Scripting & Storyboarding	1	1	2	3
ANI2508	Online Certification (Minimum 30 Hours)	-	-	-	3
ANI2533	Workshop / Certification (Discipline Specific) (1 credit per workshop)	-	-	-	1
ANI2534	Study Abroad	-	-	-	3
Open Electives					4*+3
LAN2551	Foreign Language-V*	2	-	-	2
LAN2551	French-V				
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				

CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P)/ Self Study Hours per week	Total Credits
ANI2652	VFX	2	-	2	3
ANI2635	Internship	-	-	-	9
ANI2637	Professional Project Specialization: (Any one) <ul style="list-style-type: none"> • Creating Animation-2D • 3D Animation • Compositing • Lighting and Rendering 	1	-	14	8
Open Electives					2*+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				25

13800 M.A.-JMC (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN4101	Introduction to Mass Communication	2	1	-	3
JRN4102	Print Journalism - Reporting & Editing	1	1	2	3
JRN4103	Media Arts - I: Radio & TV	2	-	2	3
JRN4104	Advertising : Concepts & Principles	2	1	-	3
JRN4105	Introduction to Photography	2	-	2	3
JRN4106	Design Software	2	-	2	3
JRN4107	History, Culture & Society	2	-	-	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN4201	Advertising Planning & Strategy	2	1	-	3
JRN4202	Print Design & Visualization	2	-	2	3
JRN4203	Specialized Reporting & Feature Writing	2	-	2	3
JRN4204	Media Arts - II: Radio & TV	2	-	2	3

JRN4206	Public Relations & Corporate Communication	2	1	-	3
JRN4207	Advanced Photography	2	-	2	3
JRN4209	Media Planning & Brand Management	2	1	-	3
JRN4210	Media Trends & Technology	1	1	-	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					28

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN4301	Media Arts-III: Film	2	-	2	3
JRN4304	Media Laws & Ethics	2	-	-	2
JRN4305	Development Communication	2	-	2	3
JRN4306	Digital Media Production	1	-	4	3
JRN4307	Mass Media & Industry	2	-	-	2
JRN4308	Communication Research	2	-	2	3
JRN4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P)/ Self Study Hours per week	Total Credits
JRN4402	Media Arts - IV: Cyber Media	2	-	2	3
JRN4403	Media Analysis	2	1	-	3
JRN4435	Internship	-	-	-	6
JRN4437	Dissertation/ Professional Project Specialization (Any one) <ul style="list-style-type: none"> • Radio • Television • Print • Advertising • Public Relations • Photography • Digital Media • Development Communication 	-	-	-	7
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					21

13347 Post Graduate Diploma in Journalism & Mass Communication (Total Credits-55)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN3101	Introduction to Mass Communication	2	1	-	3
JRN3102	Print Journalism - Reporting & Editing	1	1	2	3
JRN3103	Media Arts - I: Radio & TV	2	-	2	3
JRN3104	Advertising : Concepts & Principles	2	1	-	3
JRN3105	Introduction to Photography	2	-	2	3
JRN3106	Design Software	2	-	2	3
JRN3107	History, Culture & Society	2	-	-	2
Open Electives					5
CSS3151	Basics of Communication	1	-	-	1
BEH3151	Self Development& Interpersonal Skills	1	-	-	1
LAN3151	Foreign Business Language-I French-I	3	-	-	3
LAN3152	German-I				
LAN3153	Spanish-I				
LAN3154	Russian-I				
LAN3155	Chinese-I				
LAN3156	Portuguese-I				
LAN3157	Korean-I				
LAN3158	Japanese-I				
LAN3159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
JRN3201	Advertising Planning & Strategy	2	1	-	3
JRN3202	Print Design & Visualization	2	-	2	3
JRN3203	Specialized Reporting & Feature Writing	2	-	2	3
JRN3204	Media Arts - II: Radio & TV	2	-	2	3
JRN3206	Public Relations & Corporate Communication	2	1	-	3

JRN3207	Advanced Photography	2	-	2	3
JRN3209	Media Planning & Brand Management	2	1	-	3
JRN3210	Media Trends & Technology	1	1	-	2
JRN3232	Project	-	-	-	2
Open Electives					5
CSS3251	Corporate Communication	1	-	-	1
BEH3251	Behavioral Communication & Relationship Management	1	-	-	1
LAN3251	Foreign Business Language-II French-II	3	-	-	3
LAN3252	German-II				
LAN3253	Spanish-II				
LAN3254	Russian-II				
LAN3255	Chinese-II				
LAN3256	Portuguese-II				
LAN3257	Korean-II				
LAN3258	Japanese-II				
LAN3259	Hindi-II				
TOTAL					30

AMITY LAW SCHOOL

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13111 BA, LLB (Total Credits-280)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2101	History-I	3	1	-	4
LAW2102	Political Science-I	3	1	-	4
LAW2103	English-I	2	1	-	3
LAW2104	Legal Method	3	1	-	4
LAW2105	Law of Contract-I	3	1	-	4
LAW2106	Micro Economics-I	3	1	-	4
Open Electives					4
LAN2151	Foreign Language-I French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
BEH2151	Understanding Self for Effectiveness	1	-	-	1
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2201	History-II	3	1	-	4
LAW2202	Political Science-II	3	1	-	4
LAW2203	English-II	2	1	-	3
LAW2204	Law of Contract-II	3	1	-	4
LAW2205	Micro Economics-II	3	1	-	4
Open Electives					8

LAN2251	Foreign Language – II French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
ENV2252	Environmental Studies	4	-	-	4
	TOTAL				27

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June /July and the same would be evaluated for 3 credit units, which would be included in the Third Semester marks

THIRD SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2301	Sociology-I	3	1	-	4
LAW2302	Macro Economics-I	3	1	-	4
LAW2303	Constitutional Law-I	3	1	-	4
LAW2304	Law of Crimes-I (Indian Penal Code Section-1 to 120B)	3	1	-	4
LAW2305	Family Law-I	3	1	-	4
LAW2311	Code of Criminal Procedure	3	1	-	4
LAW2335	Summer Internship Evaluation-I	-	-	-	3
	Open Electives				4
LAN2351	Foreign Language-III French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
BEH2351	Group Dynamics and Team Building	1	-	-	1
CSS2151	Effective Listening	1	-	-	1
	TOTAL				31

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2401	Sociology-II	3	1	-	4
LAW2402	Macro Economics-II	3	1	-	4
LAW2403	Constitutional Law-II	3	1	-	4
LAW2404	Administrative Law	3	1	-	4
LAW2405	Family Law-II	3	1	-	4
LAW2406	Law of Crimes-II (Indian Penal Code Section 121-511)	3	1	-	4
Open Electives					4
	Foreign Language-IV*	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
BEH2451	Stress and Coping Strategies*	1	-	-	1
CSS2251	Presentation Skills *	1	-	-	1
TOTAL					28

SUMMER INTERNSHIP Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Fifth Semester marks

FIFTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2501	Sociology-III	3	1	-	4
LAW2502	Law of Evidence	3	1	-	4
LAW2503	Code of Civil Procedure	3	1	-	4
LAW2504	Labour Law-I	3	1	-	4
LAW2505	Property Law	3	1	-	4
LAW2535	Summer Internship Evaluation-II	-	-	-	3
Open Electives					4

LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian-V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
BEH2552	Personality, Nationalism & Human Values*	1	-	-	1
CSS2351	Reading & Comprehension	1	-	-	1
TOTAL					27

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2601	History - III	3	1	-	4
LAW2602	Political Science - III	3	1	-	4
LAW2603	Company Law	3	1	-	4
LAW2604	Law of Torts (Motor Vehicles Act & Consumer Protection Act, 1986)	3	1	-	4
LAW2605	Labour Law - II	3	1	-	4
LAW2606	Cyber Laws	3	1	-	4
Open Electives					4
LAN2651	Foreign Language-VI*	2	-	-	2
LAN2652	French-VI				
LAN2653	German-VI				
LAN2654	Spanish-VI				
LAN2655	Russian-VI				
LAN2656	Chinese-VI				
LAN2657	Portuguese-VI				
LAN2658	Korean-VI				
LAN2659	Japanese-VI				
LAN2659	Hindi-VI				
BEH2652	Interpersonal Communication *	1	-	-	1
CSS2451	Corporate Communication*	1	-	-	1
TOTAL					28

SUMMER INTERNSHIP

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
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LAW2702	Environmental Law	4	1	-	5
LAW2703	Jurisprudence	4	1	-	5
LAW2704	Public International Law	4	1	-	5
LAW2705	Arbitration & Alternate Dispute Resolution	4	1	-	5
LAW2735	Summer Internship Evaluation-III	-	-	-	3
Concentration Electives (Any one)					5
LAW2701	Human Rights Law	4	1	-	5
LAW2706	Indian Federalism	4	1	-	5
LAW2707	Forensic Science-I	4	1	-	5
LAW2708	Offences against Child & Juvenile Offence Human Rights Law	4	1	-	5
LAW2709	Law and Medicine-I	4	1	-	5
LAW2710	Military Law	4	1	-	5
Open Electives					4
	Foreign Language – VII*	2	-	-	2
LAN2751	French-VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian-VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
BEH2751	Relationship Management	1			1
CSS2551	Employability Skills *	1	-	-	1
TOTAL					32

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2802	Taxation Law	4	1	-	5
LAW2803	Interpretation of Statutes	4	1	-	5
LAW2804	International Trade Law	4	1	-	5
LAW2805	Land Laws	4	1	-	5
Concentration Electives (Any one)					5
LAW2801	Investment & Competition Law	4	1	-	5
LAW2806	Women & Criminal Law	4	1	-	5
LAW2807	Probation & Parole	4	1	-	5
LAW2808	Forensic Science-II	4	1	-	5
LAW2809	Law and Medicine-II	4	1	-	5
LAW2810	Medical Jurisprudence	4	1	-	5
Open Electives					2
BEH2851	Personal & Professional Excellence	1	-	-	1
CSS2651	Workplace Communication	1	-	-	1
TOTAL					27

SUMMER INTERNSHIP

NINTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2901	Drafting, Pleading & Convincing	4	1	-	5
LAW2902	Intellectual Property Rights	4	1	-	5
LAW2903	Law Poverty & Development	4	1	-	5
LAW2904	Professional Ethics	4	1	-	5
LAW2935	Summer Internship Evaluation-IV	-	-	-	3
Concentration Electives (Any one)					5
LAW2905	Private International Law	4	1	-	5
LAW2906	Election Law	4	1	-	5
LAW2907	Banking & Insurance Laws	4	1	-	5
LAW2908	International Humanitarian & Refugee Law	4	1	-	5
LAW2909	Criminology & Victimology	4	1	-	5
LAW2910	Media Laws	4	1	-	5
LAW2911	Corruption Laws	4	1	-	5
TOTAL					28

TENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2003	Moot Court / Internship <ul style="list-style-type: none">• Moot Court• Internship• Corporate Legal Training	-	-	30	15
LAW2037	Dissertation	-	-	20	10
TOTAL					25

13216 B.Com, LLB (Total Credits-280)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2103	English-I	2	1	-	3
LAW2104	Legal Method	3	1	-	4
LAW2105	Law of Contract-I	3	1	-	4
LAW2107	Financial Accounting-I	3	-	-	3
LAW2108	Business Organization & Management	3	-	-	3
Concentration Electives					3
ECO2104	Economic System and Society	3	-	-	3
MGT2130	Readings in Management	-	-	-	2
COM2131	Term Paper	-	-	-	2
COM2132	Project (with Presentation & Evaluation)	-	-	-	3
COM2133	Workshop/ Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
COM2134	Study Abroad				3
Open Electives					4
LAN2151	Foreign Language-I French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
BEH2151	Understanding Self for Effectiveness				
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2203	English-II	2	1	-	3
LAW2204	Law of Contract-II	3	1	-	4

LAW2206	Financial Accounting-II	3	-	-	3
LAW2207	Business Mathematics	3	1	-	4
Concentration Electives					3
COM2204	Computer Applications in Business	3	-	1	3
MGT2204	Analysis & Design of Business System	2	-	2	3
MGT2205	Innovation & Creativity Management	3	-	-	3
MGT2206	Human Values & Professional Ethics	3	-	-	3
MGT2230	Readings in Management	-	-	-	2
COM2231	Term Paper	-	-	-	2
COM2232	Project(with Presentation & Evaluation)	-	-	-	3
COM2233	Workshop/ Certification (Discipline Specific) (<i>1credit per workshop</i>)	-	-	-	1
COM2234	Study Abroad	-	-	-	3
Open Electives					8
	Foreign Language-II	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
BEH2251	Problem Solving and Creative Thinking	1	-	-	1
ENV2252	Environmental Studies	4	-	-	4
TOTAL					25

SUMMER INTERNSHIP - I: 4-6 WEEKS

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Third Semester marks

THIRD SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2303	Constitutional Law-I	3	1	-	4
LAW2304	Law of Crimes-I (Indian Penal Code Section-1 to 120B)	3	1	-	4
LAW2305	Family Law-I	3	1	-	4
LAW2307	Corporate Accounting	3	-	-	3
LAW2308	Statistical Methods in Research-I	3	-	-	3
LAW2311	Code of Criminal Procedure	3	1	-	4

LAW2335	Summer Internship Evaluation-I	-	-	-	3
	Open Electives				4
	Foreign Language-III	2	-	-	2
LAN2351	French-III				
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
BEH2351	Group Dynamics and Team Building	1	-	-	1
CSS2151	Effective Listening	1	-	-	1
	TOTAL				29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2403	Constitutional Law-II	3	1	-	4
LAW2404	Administrative Law	3	1	-	4
LAW2405	Family Law-II	3	1	-	4
LAW2406	Law of Crimes-II (Indian Penal Code Section 121-511)	3	1	-	4
LAW2407	Financial Management	3	-	-	3
LAW2408	Statistical Methods in Research-II	3	-	-	3
	Open Electives				4
	Foreign Language-IV	2	-	-	2
LAN2451	French-IV				
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
BEH2451	Stress and Coping Strategies*	1	-	-	1
CSS2251	Presentation Skills *	1	-	-	1
	TOTAL				26

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Fifth Semester marks

FIFTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2502	Law of Evidence	3	1	-	4
LAW2503	Code of Civil Procedure	3	1	-	4
LAW2504	Labour Law-I	3	1	-	4
LAW2505	Property Law	3	1	-	4
LAW2507	Cost Accounting	3	-	-	3
LAW2508	Macro Economics	3	-	-	3
LAW2535	Summer Internship Evaluation-II	-	-	-	3
Concentration Electives (Any one)					4
COM2502	Accounting Theory	3	1	-	4
COM2503	Advanced Corporate Accounting	3	1	-	4
COM2504	Corporate Tax Law and Practice	3	1	-	4
COM2505	Business Taxation	3	1	-	4
Open Electives					4
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian -V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
BEH2552	Personality, Nationalism & Human Values*				
CSS2351	Reading & Comprehension *	1	-	-	1
TOTAL					33

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2603	Company Law	3	1	-	4
LAW2604	Law of Torts (Motor Vehicles Act & Consumer Protection Act, 1986)	3	1	-	4
LAW2605	Labour Law-II	3	1	-	4
LAW2606	Cyber Laws	3	1	-	4
LAW2607	Management Accounting	3	-	-	3
LAW2608	Financial Markets, Institutions & Financial Services	3	-	-	3
Concentration Electives (Any one)					4
COM2602	Advanced Accounts	3	1	-	4
COM2603	Advanced Cost Accounting	3	1	-	4

COM2604	Indirect Taxes including GST	3	1	-	4
COM2605	Public Finance and Tax Practices	3	1	-	4
Open Electives					4
	Foreign Language-VI*	2	-	-	2
LAN2651	French-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian-VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
BEH2652	Interpersonal Communication *	1	-	-	1
CSS2451	Corporate Communication*	1	-	-	1
TOTAL					30

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Seventh Semester marks

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2702	Environmental Law	4	1	-	5
LAW2703	Jurisprudence	4	1	-	5
LAW2704	Public International Law	4	1	-	5
LAW2705	Arbitration & Alternate Dispute Resolution	4	1	-	5
LAW2735	Summer Internship Evaluation-III	-	-	-	3
Concentration Electives (Any one)					5
LAW2701	Human Rights Law	4	1	-	5
LAW2706	Indian Federalism	4	1	-	5
LAW2707	Forensic Science-I	4	1	-	5
LAW2708	Offences against Child & Juvenile Offence Human Rights Law	4	1	-	5
LAW2709	Law and Medicine-I	4	1	-	5
LAW2710	Military Law	4	1	-	5
Open Electives					4
	Foreign Language VII	2	-	-	2
LAN2751	French- VII				
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian -VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				

LAN2759	Hindi-VII				
BEH2751	Relationship Management	1	-	-	1
CSS2551	Employability Skills *	1	-	-	1
	TOTAL				32

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2802	Taxation Law	4	1	-	5
LAW2803	Interpretation of Statutes	4	1	-	5
LAW2804	International Trade Law	4	1	-	5
LAW2805	Land Laws	4	1	-	5
	Concentration Electives (Any one)				5
LAW2801	Investment & Competition Law	4	1	-	5
LAW2806	Women & Criminal Law	4	1	-	5
LAW2807	Probation & Parole	4	1	-	5
LAW2808	Forensic Science-II	4	1	-	5
LAW2809	Law and Medicine-II	4	1	-	5
LAW2810	Medical Jurisprudence	4	1	-	5
	Open Electives				2
BEH2851	Personal & Professional Excellence	1	-	-	1
CSS2651	Workplace Communication	1	-	-	1
	TOTAL				27

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Ninth Semester marks

NINTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2901	Drafting, Pleading & Convincing	4	1	-	5
LAW2902	Intellectual Property Rights	4	1	-	5
LAW2903	Law Poverty & Development	4	1	-	5
LAW2904	Professional Ethics	4	1	-	5
LAW2935	Summer Internship Evaluation-IV	-	-	-	3
	Concentration Electives (Any one)				5
LAW2905	Private International Law	4	1	-	5
LAW2906	Election Law	4	1	-	5
LAW2907	Banking & Insurance Laws	4	1	-	5
LAW2908	International Humanitarian & Refugee Law	4	1	-	5
LAW2909	Criminology & Victimology	4	1	-	5

LAW2910	Media Laws	4	1	-	5
LAW2911	Corruption Laws	4	1	-	5
	TOTAL				28

TENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2003	Moot Court / Internship <ul style="list-style-type: none"> • Moot Court • Internship • Corporate Legal Training 	-	-	30	15
LAW2037	Dissertation	-	-	22	11
	TOTAL				26

13215 BBA, LLB (Total Credits-280)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2103	English-I	2	1	-	3
LAW2104	Legal Methods	3	1	-	4
LAW2105	Law of Contract-I	3	1	-	4
LAW2109	Management Foundations	2	1	-	3
LAW2110	Financial Accounting	2	-	2	3
Concentration Electives					3
COM2103	E-Commerce	2	1	-	3
MGT2104	Business Mathematics	2	1	-	3
ECO2104	Economic System and Society	3	-	-	3
MGT2130	Readings in Management	-	-	-	2
MGT 2131	Term Paper	-	-	-	2
MGT 2132	Project (with Presentation & Evaluation)	-	-	-	3
MGT 2133	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT 2134	Study Abroad	-	-	-	3
Open Electives					4
LAN2151	Foreign Language -I*	3	-	-	3
LAN2152	French- I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
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LAW2203	English-II	2	1	-	3
LAW2204	Law of Contract-II	3	1	-	4
LAW2208	Marketing Management	2	1	-	3
LAW2209	Human Resource Management	2	1	-	3
Concentration Electives					3
MGT2204	Analysis & Design of Business System	2	-	2	3
MGT2205	Innovation & Creativity Management	3	-	-	3
MGT2206	Human Values & Professional Ethics	3	-	-	3
MGT2230	Readings in Management	-	-	-	2
MGT2231	Term Paper	-	-	-	2
MGT2232	Project (with Presentation & Evaluation)	-	-	-	3
MGT2233	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2234	Study Abroad	-	-	-	3
Open Electives					8
	Foreign Language-II*	3	-	-	3
LAN2251	French-II				
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
BEH2251	Problem solving and Creative Thinking*	1	-	-	1
ENV2252	Environmental Studies*	4	-	-	4
TOTAL					24

SUMMER INTERNSHIP Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Third Semester marks

THIRD SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2303	Constitutional Law-I	3	1	-	4
LAW2304	Law of Crimes - I (Indian Penal Code Section-1 to 120B)	3	1	-	4
LAW2305	Family Law-I	3	1	-	4
LAW2309	Organizational Behaviour	2	1	-	3
LAW2310	Financial Management	2	1	-	3
LAW2311	Code of Criminal Procedure	3	1	-	4
LAW2335	Summer Internship Evaluation-I	-	-	-	3

Concentration Electives					3
ECO2304	Mergers & Acquisitions	3	-	-	3
MGT2305	Industrial Psychology	3	-	-	3
MGT2331	Term Paper	-	-	-	2
MGT2332	Project (with Presentation & Evaluation)	-	-	-	3
MGT2333	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2334	Study Abroad	-	-	-	3
Open Electives					4
LAN2351	Foreign Language – III* French- III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
BEH2351	Group Dynamics and Team Building*	1	-	-	1
CSS2151	Effective Listening*	1	-	-	1
TOTAL					32

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2403	Constitutional Law – II	3	1	-	4
LAW2404	Administrative Law	3	1	-	4
LAW2405	Family Law - II	3	1	-	4
LAW2406	Law of Crimes - II (Indian Penal Code Section 121-511)	3	1	-	4
LAW2409	Business Environment	2	1	-	3
LAW2410	Research Methodology & Report Preparation	2	1	-	3
Concentration Electives (Any 2 subjects from any one specialization group)					6
MGT2404	Business Information & Database System	2	1	-	3
MGT2405	Personal Financial Planning	2	1	-	3
MGT2406	Sales & Distribution Management	2	1	-	3
MGT2431	Term Paper	-	-	-	2
MGT2432	Project (with Presentation & Evaluation)	-	-	-	3
MGT2433	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1

MGT2434	Study Abroad	-	-	-	3
	Open Electives				4
LAN2451	Foreign Language-IV*	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
BEH2451	Stress and Coping Strategies*	1	-	-	1
CSS2251	Presentation Skills *	1	-	-	1
	TOTAL				32

SUMMER INTERNSHIP Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Fifth Semester marks

FIFTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2502	Law of Evidence	3	1	-	4
LAW2503	Code of Civil Procedure	3	1	-	4
LAW2504	Labour Law - I	3	1	-	4
LAW2505	Property Law	3	1	-	4
LAW2535	Summer Internship Evaluation-II	-	-	-	3
	Concentration Electives (Any 2 subjects from any one specialization group)				6
	Marketing				
MGT2503	Consumer Behaviour	2	1	-	3
MGT2504	Service Marketing	2	1	-	3
MGT2505	International Marketing	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
MGT2534	Study Abroad	-	-	-	3
	Finance				
MGT2506	Financial Services	2	1	-	3
MGT2507	Principles of Investment Management	2	1	-	3
MGT2508	Financial Derivatives	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation	-	-	-	3

	&Evaluation)				
MGT2533	Workshop / Certification (Discipline Specific) (<i>1credit per workshop</i>)	-	-	-	1
MGT2534	Study Abroad	-	-	-	3
Human Resource					
MGT2509	Organizational Development & Change	2	1	-	3
MGT2510	Training & Development	2	1	-	3
MGT2511	International Human Resource Management	2	1	-	3
MGT2531	Term Paper	-	-	-	2
MGT2532	Project (with Presentation & Evaluation)	-	-	-	3
MGT2533	Workshop / Certification (Discipline Specific) (<i>1credit per workshop</i>)	-	-	-	1
MGT2534	Study Abroad	-	-	-	3
Open Electives					4
LAN2551	Foreign Language-V* French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian -V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
BEH2552	Personality, Nationalism and Human Values*	1	-	-	1
CSS2351	Reading & Comprehension*	1	-	-	1
TOTAL					29

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2603	Company Law	3	1	-	4
LAW2604	Law of Torts (Motor Vehicles Act & Consumer Protection Act, 1986)	3	1	-	4
LAW2605	Labour Law -II	3	1	-	4
LAW2606	Cyber Laws	3	1	-	4
Concentration Electives (Select 6 Credit from any one specialization group)					6
Marketing					
MGT2602	Brand Management	2	1	-	3
MGT2603	Advertising & Sales Promotion	2	1	-	3
MGT2604	Retail Management	2	1	-	3
MGT2631	Term Paper	-	-	-	2

MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Finance					
MGT2605	Corporate Tax Planning	2	1	-	3
MGT2606	Banking & Financial Institutions	2	1	-	3
MGT2607	Advanced Corporate Finance	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Human Resource Management					
MGT2608	Industrial Relations & Labour Law	2	1	-	3
MGT2609	Performance Management System	2	1	-	3
MGT2610	Compensation & Reward Management	2	1	-	3
MGT2631	Term Paper	-	-	-	2
MGT2632	Project (with Presentation & Evaluation)	-	-	-	3
MGT2633	Workshop / Certification (Discipline Specific) (1credit per workshop)	-	-	-	1
Open Electives					4
	Foreign Language-VI*	2	-	-	2
LAN2651	French-VI				
LAN2652	German-VI				
LAN2653	Spanish-VI				
LAN2654	Russian -VI				
LAN2655	Chinese-VI				
LAN2656	Portuguese-VI				
LAN2657	Korean-VI				
LAN2658	Japanese-VI				
LAN2659	Hindi-VI				
BEH2652	Interpersonal Communication *	1	-	-	1
CSS2451	Corporate Communication*	1	-	-	1
TOTAL					26

SUMMER INTERNSHIP Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Seventh Semester marks

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2702	Environmental Law	4	1	-	5
LAW2703	Jurisprudence	4	1	-	5

LAW2704	Public International Law	4	1	-	5
LAW2705	Arbitration & Alternate Dispute Resolution	4	1	-	5
LAW2735	Summer Internship Evaluation-III	-	-	-	3
Concentration Electives (Any one)					5
LAW2701	Human Rights Law	4	1	-	5
LAW2706	Indian Federalism	4	1	-	5
LAW2707	Forensic Science-I	4	1	-	5
LAW2708	Offences against Child & Juvenile Offence Human Rights Law	4	1	-	5
LAW2709	Law and Medicine-I	4	1	-	5
LAW2710	Military Law	4	1	-	5
Open Electives					4
LAN2751	Foreign Language-VII French-VII	2	-	-	2
LAN2752	German-VII				
LAN2753	Spanish-VII				
LAN2754	Russian -VII				
LAN2755	Chinese-VII				
LAN2756	Portuguese-VII				
LAN2757	Korean-VII				
LAN2758	Japanese-VII				
LAN2759	Hindi-VII				
BEH2751	Relationship Management	1			1
CSS2551	Employability Skills	1	-	-	1
TOTAL					32

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2802	Taxation Law	4	1	-	5
LAW2803	Interpretation of Statutes	4	1	-	5
LAW2804	International Trade Law	4	1	-	5
LAW2805	Land Laws	4	1	-	5
Concentration Electives (Any one)					5
LAW2801	Investment & Competition Law	4	1	-	5
LAW2806	Women & Criminal Law	4	1	-	5
LAW2807	Probation & Parole	4	1	-	5
LAW2808	Forensic Science-II	4	1	-	5
LAW2809	Law and Medicine-II	4	1	-	5
LAW2810	Medical Jurisprudence	4	1	-	5
Open Electives					2
BEH2851	Personal and Professional Excellence	1			1
CSS2651	Workplace Communication	1	-	-	1
TOTAL					27

SUMMER INTERNSHIP

Note: Students must submit their summer internship report immediately on return from summer vacation in June/ July and the same would be evaluated for 3 credit units, which would be included in the Ninth Semester marks

NINTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2901	Drafting, Pleading & Convincing	4	1	-	5
LAW2902	Intellectual Property Rights	4	1	-	5
LAW2903	Law Poverty & Development	4	1	-	5
LAW2904	Professional Ethics	4	1	-	5
LAW2935	Summer Internship Evaluation-IV	-	-	-	3
Concentration Electives (Any one)					5
LAW2905	Private International Law	4	1	-	5
LAW2906	Election Law	4	1	-	5
LAW2907	Banking & Insurance Law	4	1	-	5
LAW2908	International Humanitarian & Refugee Law	4	1	-	5
LAW2909	Criminology & Victimology	4	1	-	5
LAW2910	Media Laws	4	1	-	5
LAW2911	Corruption Laws	4	1	-	5
TOTAL					28

TENTH SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T)(Hours per week)	Practical (P)(Hours per week)	Total Credits
LAW2003	Moot Court / Internship • Moot Court • Internship • Corporate Legal Training	-	-	30	15
LAW2037	Dissertation	-	-	22	11
TOTAL					26

13018 Master of Law (LLM) (Total Credits-24) (One-Year Full-Time)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T) (Hours per week)	Practical (P) (Credits)	Total Credits
LAW4101	Research Method & Legal Writing	1	1	2	3
LAW4102	Comparative Public Law/ System of Governance	1	1	2	3
Choose any One Stream					
Corporate and Business Law (Specialisation)					6
LAW4103	Laws on Securities and Financial Markets	1	-	2	2
LAW4104	Corporate Governance	1	-	2	2
LAW4105	Intellectual Property Law	1	-	2	2
Constitutional and Administrative Law (Specialisation)					6
LAW4106	Fundamental Rights & Directive Principles	1	-	2	2
LAW4107	Center State Relation & Constitutional Governance	1	-	2	2
LAW4108	Police and Security Administration	1	-	2	2
Criminal and Security Law (Specialisation)					6
LAW4109	Criminology and Criminal Justice Administration	1	-	2	2
LAW4110	Victimology	1	-	2	2
LAW4111	Criminal Justice and Human Rights	1	-	2	2
TOTAL					12

SECOND SEMESTER

Course Code	Course Title	Lectures (L)(Hours per week)	Tutorials (T) (Hours per week)	Practical (P) (Credits)	Total Credits
LAW4201	Law and Justice in a Globalizing World	1	1	2	3
LAW4237	Dissertation	-	-	6	3
Choose any One Stream (Same as in Semester-I)					
Corporate and Business Law (Specialisation)					6
LAW4202	Competition Law	1	-	2	2
LAW4203	International Trade Law	1	-	2	2

LAW4205	Banking & Insurance Law	1	-	2	2
Constitutional and Administrative Law (Specialisation)					6
LAW4206	Administrative Law	1	-	2	2
LAW4207	Religion Diversity & Law	1	-	2	2
LAW4208	Media Law	1	-	2	2
Criminal and Security Law (Specialisation)					6
LAW4209	International Criminal Law	1	-	2	2
LAW4210	Police Law and Administration	1	-	2	2
LAW4211	Corporate Crimes/ White Collar Crimes	1	-	2	2
TOTAL					12

AMITY SCHOOL OF ARCHITECTURE & PLANNING

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13040 Bachelor of Architecture (Total Credits-279)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2101	Architectural Design-I	1	1	3	1	6
ARC2102	Building Materials & Construction Technology-I	1	-	2	2	5
ARC2104	Architectural Graphics Skills-I	1	-	1	1	3
ARC2105	Visual Arts-I	1	-	1	1	3
ARC2106	History of Architecture-I	2	-	-	-	2
ARC2109	Structure-I	2	-	-	-	2
ARC2111	Model Making	1	-	1	1	3
Open Electives						7
	Foreign Language-I	3	-	-	-	3
LAN2151	French- I					
LAN2152	German-I					
LAN2153	Spanish-I					
LAN2154	Russian-I					
LAN2155	Chinese-I					
LAN2156	Portuguese-I					
LAN2157	Korean-I					
LAN2158	Japanese-I					
LAN2159	Hindi-I **					
CSS2152	English-I*	1	-	-	-	1
BEH2151	Understanding For Self Effectiveness*	1	-	-	-	1
ENV2151	Environmental Studies-I	2	-	-	-	2
TOTAL						31

** Hindi as Foreign Language for Foreign National Students

(i) 1 Lecture period/ hour shall have 1 credit

(ii) 2 lab/workshop/ studio exercises/ seminar periods/ hours shall have 1 credit and

(iii) 1 Design studio/ construction studio/ project/ thesis period/ hours shall have 1.5 credits as per the COA guidelines.

(iv) For practical training total number of credits shall be specified for the one semester.

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2201	Architectural Design-II	1	1	3	1	6
ARC2202	Building Materials & Construction Technology-II	1	-	2	2	5
ARC2204	Architectural Graphics Skills-II	1	-	1	1	3
ARC2205	Visual Arts-II	1	-	1	1	3
ARC2206	History of Architecture-II	2	-	-	-	2
ARC2209	Structure-II	2	-	-	-	2
ARC2212	Surveying & Leveling	1	-	1	1	3
Open Electives						7
LAN2251	Foreign Language-II French- II	3	-	-		3
LAN2252	German-II					
LAN2253	Spanish-II					
LAN2254	Russian-II					
LAN2255	Chinese-II					
LAN2256	Portuguese-II					
LAN2257	Korean-II					
LAN2258	Japanese-II					
LAN2259	Hindi-II					
CSS2252	English-II	1	-	-		1
BEH2251	Problem Solving & Creative Thinking	1	-	-		1
ENV2251	Environmental Studies-II	2	-	-		2
TOTAL						31

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2301	Architectural Design-III	1	1	3	1	6
ARC2302	Building Materials & Construction Technology-III	1	-	2	2	5
ARC2304	Architectural Graphics Skills-III	1	-	1	1	3
ARC2305	Visual Arts-III	1	-	1	1	3
ARC2307	History of Architecture-III	2	-	-	-	2
ARC2308	Structure-III	3	-	-	-	3
ARC2311	Architectural Climatology	2	-	-	-	2
ARC2312	Building Services-I	2	-	-	-	2
Open Electives						4

LAN2351	Foreign Language-III French-III	2	-	-		2
LAN2352	German-III					
LAN2353	Spanish-III					
LAN2354	Russian-III					
LAN2355	Chinese-III					
LAN2356	Portuguese-III					
LAN2357	Korean-III					
LAN2358	Japanese-III					
LAN2359	Hindi-III					
CSS2151	Effective Listening	1	-	-		1
BEH2351	Group Dynamics & Team Building	1	-	-		1
	TOTAL					30

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2401	Architectural Design-IV	1	1	4	2	8
ARC2402	Building Materials & Construction Technology-IV	1	-	2	2	5
ARC2409	Structure-IV	3	-	-	-	3
ARC2413	Computer Applications-I	1	-	1	1	3
ARC2414	Visual Arts-IV	1	-	1	1	3
ARC2415	History of Architecture-IV	2	-	-	-	2
ARC2416	Building Services-II	2	-	-	-	2
	Open Electives					4
LAN2451	Foreign Language-IV French-IV	2	-	-		2
LAN2452	German-IV					
LAN2453	Spanish-IV					
LAN2454	Russian-IV					
LAN2455	Chinese-IV					
LAN2456	Portuguese-IV					
LAN2457	Korean-IV					
LAN2458	Japanese-IV					
LAN2459	Hindi-IV					
CSS2251	Presentation Skills	1	-	-		1
BEH2451	Stress & Coping Strategies	1	-	-		1
	TOTAL					30

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2501	Architectural Design-V	1	1	4	2	8

ARC2502	Building Materials & Construction Technology-V	1	-	2	2	5
ARC2509	Structure-V	3	-	-	-	3
ARC2513	Computer Applications-II	1	-	1	1	3
ARC2517	Theory of Architecture-I	2	-	-	-	2
ARC2518	Building Services-III	2	-	-	-	2
Electives (Any One)						3
ARC2519	People Culture & Built Environment-I	3	-	-	-	3
ARC2520	Ecology, Environment & Sustainable Development-I	3	-	-	-	3
ARC2521	Computer Applications & Advance Technologies-I	3	-	-	-	3
Open Electives						4
LAN2551	Foreign Language-V French-V	2	-	-		2
LAN2552	German-V					
LAN2553	Spanish-V					
LAN2554	Russian-V					
LAN2555	Chinese-V					
LAN2556	Portuguese-V					
LAN2557	Korean-V					
LAN2558	Japanese-V					
LAN2559	Hindi-V					
CSS2351	Reading & Comprehension	1	-	-		1
BEH2552	Personality, Nationalism and Human Values	1	-	-		1
TOTAL						30

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2601	Architectural Design-VI	1	1	4	2	8
ARC2602	Building Materials & Construction Technology-VI	1	-	2	2	5
ARC2609	Structure-VI	3	-	-	-	3
ARC2617	Site Planning & Landscape	1	-	1	1	3
ARC2618	Theory of Architecture-II	2	-	-	-	2
ARC2619	Building Services-IV	2	-	-	-	2
ARC2638	Seminar	2	-	-	-	2
Electives (Any One)						3
ARC2620	People Culture & Built Environment-II	3	-	-	-	3
ARC2621	Ecology, Environment & Sustainable Development-II	3	-	-	-	3
ARC2622	Computer Applications & Advance Technologies-II	3	-	-	-	3

	TOTAL					28
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SEVENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2701	Architectural Design-VII	1	1	4	2	8
ARC2702	Building Materials & Construction Technology-VII	1	-	2	2	5
ARC2703	Structure-VII	3	-	-	-	3
ARC2705	Research Methodology	2	-	-	-	2
ARC2717	LEED Lab-I	2	-	-	-	2
ARC2718	Interior Design	1	-	1	1	3
ARC2720	Specification, Estimation & Valuation	3	-	-	-	3
	Electives (Any One)					3
ARC2721	People Culture & Built Environment-III	3	-	-	-	3
ARC2722	Ecology, Environment & Sustainable Development-III	3	-	-	-	3
ARC2723	Computer Applications & Advance Technologies-III	3	-	-	-	3
	TOTAL					29

EIGHTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2801	Building Materials & Construction Technology-VIII	1	-	2	2	5
ARC2809	Architectural Design-VIII	1	1	4	2	8
ARC2815	Structure-VIII	3	-	-	-	3
ARC2816	Town Planning	2	-	-	-	2
ARC2817	LEED Lab-II	2	1	-	-	2
ARC2837	Dissertation	2	1	3	-	6
	Electives (Any One)					3
ARC2818	People Culture & Built Environment-IV	3	-	-	-	3
ARC2819	Ecology, Environment & Sustainable Development-IV	3	-	-	-	3
ARC2820	Computer Applications & Advance Technologies-IV	3	-	-	-	3
	TOTAL					29

NINTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2937	Practical Training	-	-	-	-	14
	TOTAL					14

TENTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Studio (S) Hours Per Week	Practical (P)Hours Per Week	Total Credits
ARC2037	Architectural Thesis	2	6	10	-	18
ARC2001	Professional Practice	4	-	-	-	4
ARC2002	Career Development	2	-	-	-	2
	Electives (Any One)					3
ARC2003	Understanding Cultural Landscapes for Urban Renewal & Conservation	3	-	-	-	3
ARC2004	Smart Cities and Smart Technologies	3	-	-	-	3
ARC2005	Transit Oriented Development	3	-	-	-	3
	TOTAL					27

13349 Bachelor of Planning (Total Credits-253)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2101	Fundamentals of Urban and Regional Planning	4	-	-	-	4
PLN2102	Fundamentals of Building Structures, Materials and Construction	2	-	-	-	2
PLN2104	Statistical and Quantitative Methods in Planning-I	3	-	-	-	3
PLN2108	Basic Graphical Skills	-	-	3	-	3
PLN2107	Planning and Design Lab-I (Graphics and Presentation Techniques)	-	-	8	-	8
Open Electives						7
LAN2151	Foreign Language-I	3	-	-	-	3
LAN2152	French-I					
LAN2153	German-I					
LAN2154	Spanish-I					
LAN2155	Russian-I					
LAN2156	Chinese-I					
LAN2157	Portuguese-I					
LAN2158	Korean-I					
LAN2159	Japanese-I					
LAN2159	Hindi-I **					
CSS2152	English-I *	1	-	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	-	1
ENV2151	Environmental Studies-I*	2	-	-	-	2
TOTAL						27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2202	Surveying and Photogrammetry	2	-	-	-	2
PLN2204	Statistical and Quantitative Methods in Planning-II	3	-	-	-	3
PLN2205	Evolution of Aesthetics, Culture and Technology	3	-	-	-	3

PLN2206	Techniques of Planning-I	3	-	-	-	3
PLN2207	Applied Geology and Hydrology	2	-	-	-	2
PLN2209	Computer Aided Design (CAD) in Planning	-	-	3	-	3
PLN2208	Planning and Design Lab-II (Graphics and Presentation Techniques)	-	-	8	-	8
Open Electives						7
LAN2251	Foreign Language – II	3	-	-	-	3
LAN2252	French- II					
LAN2253	German-II					
LAN2254	Spanish-II					
LAN2255	Russian-II					
LAN2256	Chinese-II					
LAN2257	Portuguese-II					
LAN2258	Korean-II					
LAN2259	Japanese-II					
LAN2259	Hindi-II					
CSS2252	English-II*	1	-	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	-	2
TOTAL						31

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2301	Planning Theory-I	3	-	-	-	3
PLN2302	Settlement Geography	3	-	-	-	3
PLN2303	Techniques of Planning-II	3	-	-	-	3
PLN2305	Demography and Urbanization	3	-	-	-	3
PLN2306	Traffic and Transportation Planning-I	3	-	-	-	3
PLN2308	Geo-Informatics for Planning-I	-	-	3	-	3
PLN2309	Elements of Economics	2	-	-	-	2
PLN2307	Planning and Design Lab-III (Neighborhoods Site Planning)	-	-	8	-	8
Open Electives						4
LAN2351	Foreign Language-III	2	-	-	-	2
LAN2352	French-III					
LAN2353	German-III					
LAN2354	Spanish-III					
LAN2355	Russian-III					
LAN2356	Chinese-III					
LAN2357	Portuguese-III					
LAN2358	Korean-III					
LAN2359	Japanese-III					
LAN2359	Hindi-III					
CSS2151	Effective Listening*	1	-	-	-	1

BEH2351	Group Dynamics and Team Building*	1	-	-	-	1
	TOTAL					32

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2401	Planning Theory-II	3	-	-	-	3
PLN2402	Planning Practice-I	3	-	-	-	3
PLN2403	Traffic and Transportation Planning-II	3	-	-	-	3
PLN2406	Settlement Sociology	3	-	-	-	3
PLN2408	Geo-Informatics for Planning-II	-	-	3	-	3
PLN2409	Sustainable Urban Development	3	-	-	-	3
PLN2410	Technical Report Writing	2	-	-	-	2
PLN2407	Planning and Design Lab-IV (Transportation Planning)	-	-	8	-	8
	Open Electives					4
LAN2451	Foreign Language-IV French- IV	2	-	-	-	2
LAN2452	German-IV					
LAN2453	Spanish-IV					
LAN2454	Russian-IV					
LAN2455	Chinese-IV					
LAN2456	Portuguese-IV					
LAN2457	Korean-IV					
LAN2458	Japanese-IV					
LAN2459	Hindi-IV					
CSS2251	Presentation Skills*	1	-	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	-	1
	TOTAL					32

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T)Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2501	Real Estate Planning and Management	3	-	-	-	3
PLN2502	Planning and Management of Utilities and Services	3	-	-	-	3
PLN2503	Planning Legislation	3	-	-	-	3
PLN2509	Disaster Risk Management and Climate Change Adaptations	3	-	-	-	3
PLN2510	Housing and Community Planning	3	-	-	-	3
PLN2511	Ecology, Environment and Resource Development & Management	3	-	-	-	3
PLN2507	Planning and Design Lab-V (Area Planning)	-	-	8	-	8
PLN2508	Training Seminar-I	-	-	-	-	2

		Electives (Any One)				3
PLN2512	Community Participation in Planning Process	-	-	3	-	3
PLN2513	Infographic Techniques for representation of Data	-	-	3	-	3
PLN2514	Eco-Tourism	-	-	3	-	3
		Open Electives				4
LAN2551	Foreign Language-V French-V	2	-	-	-	2
LAN2552	German-V					
LAN2553	Spanish-V					
LAN2554	Russian-V					
LAN2555	Chinese-V					
LAN2556	Portuguese-V					
LAN2557	Korean-V					
LAN2558	Japanese-V					
LAN2559	Hindi-V					
CSS2351	Reading and Comprehension*	1	-	-	-	1
BEH2552	Personality, Nationalism and Human Values*	1	-	-	-	1
TOTAL						35

SIXTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2601	Urban Management - I	3	-	-	-	3
PLN2602	Urban Renewal and Conservation	3	-	-	-	3
PLN2604	Introduction to Urban Design	3	-	-	-	3
PLN2605	Planning and Management of Informal Sectors	3	-	-	-	3
PLN2608	Metropolitan Planning, Development and Management	3	-	-	-	3
PLN2609	Regional Planning & Management	3	-	-	-	3
PLN2607	Planning and Design Lab-VI (Urban Development Plan)	-	-	8	-	8
		Electives (Any One)				3
PLN2610	Special Area Planning	-	-	3	-	3
PLN2611	Application of SPSS in Planning	-	-	3	-	3
PLN2612	Urban Design and Landscape	-	-	3	-	3
		Open Electives				4

LAN2651	Foreign Language-VI French- VI	2	-	-	-	2
LAN2652	German-VI					
LAN2653	Spanish-VI					
LAN2654	Russian-VI					
LAN2655	Chinese-VI					
LAN2656	Portuguese-VI					
LAN2657	Korean-VI					
LAN2658	Japanese-VI					
LAN2659	Hindi-VI					
CSS2451	Corporate Communication*	1	-	-	-	1
BEH2652	Interpersonal Communication *	1	-	-	-	1
	TOTAL					33

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T)Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2702	Urban Governance	3	-	-	-	3
PLN2703	Urban Finance	3	-	-	-	3
PLN2710	Landscape Planning and Design	2	-	-	-	2
PLN2711	Project Formulation, Appraisal and Management	3	-	-	-	3
PLN2712	Specification, Estimation and Valuation	3	-	-	-	3
PLN2706	Planning and Design Lab-VII (Regional Planning)	-	-	8	-	8
PLN2707	Training Seminar-II	-	-	-	-	2
PLN2737	Dissertation	2	-	-	-	2
	Electives (Any One)					3
PLN2713	Settlement Sociology and Inclusive Development	-	-	3	-	3
PLN2714	Smart Cities and Advanced Technologies for Emerging Planning Issues	-	-	3	-	3
PLN2715	Environmental Impact Assessment and TOD	-	-	3	-	3
	Open Electives					4
LAN2751	Foreign Language-VII French-VII	2	-	-	-	2
LAN2752	German-VII					
LAN2753	Spanish-VII					
LAN2754	Russian-VII					
LAN2755	Chinese-VII					
LAN2756	Portuguese-VII					
LAN2757	Korean-VII					
LAN2758	Japanese-VII					
LAN2759	Hindi-VII					
CSS2551	Employability Skills*	1	-	-	-	1

BEH2751	Relationship Management*	1	-	-	-	1
	TOTAL					33

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T)Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN2801	Urban Management – II	3	-	-	-	3
PLN2802	Planning Practice – II	3	-	-	-	3
PLN2803	Human Values in Planning	3	-	-	-	3
PLN2804	Rural Development & Management	3	-	-	-	3
PLN2837	Planning Thesis	-	-	18	-	18
	TOTAL					30

131469 Master of Planning (Urban and Regional) (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN4101	Planning History and Theory	2	1	-	-	2
PLN4102	Socio-Economic Dimensions in Planning	2	1	-	-	2
PLN4103	Planning Techniques and Computer Applications	1	-	-	2	2
PLN4104	Infrastructure Planning and Management	2	1	-	-	2
PLN4105	Housing and Environmental Planning	2	1	-	-	2
PLN4108	Planning Studio-I (i) Area Planning (ii) Village Development Plan	2	-	8	-	10
Electives (Any One)						2
PLN4109	Community Participation in Planning	1	-	-	2	2
PLN4110	Infographic and Storytelling Techniques	1	-	-	2	2
PLN4111	Eco-Tourism	1	-	-	2	2
Open Electives						5
CSS4151	Basics of Communication	1	-	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	-	3
LAN4152	German-I					
LAN4153	Spanish-I					
LAN4154	Russian-I					
LAN4155	Chinese-I					
LAN4156	Portuguese-I					
LAN4157	Korean-I					
LAN4158	Japanese-I					
LAN4159	Hindi-I **					
TOTAL						27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN4208	Application of Geoinformatics	1	-	-	2	2
PLN4209	Regional Planning and Development	2	1	-	-	2
PLN4210	Land Management and Real Estate	2	1	-	-	2
PLN4211	Transportation Planning and Management	2	1	-	-	2
PLN4212	Demography and Quantitative Analysis	2	1	-	-	2
PLN4206	Planning Studio-II Urban Planning	2	-	8	-	10
Electives (Any One)						2
PLN4213	Special Area Planning	1	-	-	2	2
PLN4214	Statistical Data Analysis in Planning	1	-	-	2	2
PLN4215	Urban Design Renewal and Conservation	1	-	-	2	2
Open Electives						5
CSS4251	Corporate Communication	1	-	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	-	3
LAN4252	French-II					
LAN4253	German-II					
LAN4254	Spanish-II					
LAN4255	Russian-II					
LAN4256	Chinese-II					
LAN4257	Portuguese-II					
LAN4258	Korean-II					
LAN4259	Japanese-II					
LAN4259	Hindi-II					
TOTAL						27

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN4302	Project Planning and Finance Management	2	1	-	-	2
PLN4304	Public Policy in Planning	2	1	-	-	2
PLN4308	Resilience and Planning	2	1	-	-	2
PLN4309	Urban and Regional Governance	2	1	-	-	2

PLN4310	Research Methodology and Thesis Planning	1	-	2	-	2
PLN4307	Planning Studio-III Regional Planning	2	-	8	-	10
Electives (Any One)						2
PLN4311	Settlement Anthropology and Inclusive Development	1	-	-	2	2
PLN4312	Smart Cities and Advanced Technologies for Emerging Planning Issues	1	-	-	2	2
PLN4313	Environmental Impact Assessment	1	-	-	2	2
Open Electives						4
CSS4351	Interpersonal Communication	1	-	-	-	1
BEH4351	Leading Through Teams	1	-	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	-	2
LAN4352	French-III					
LAN4353	German-III					
LAN4354	Spanish-III					
LAN4355	Russian-III					
LAN4356	Chinese-III					
LAN4357	Portuguese-III					
LAN4358	Korean-III					
LAN4359	Japanese-III					
LAN4359	Hindi-III					
TOTAL						26

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Studio (S) Hours per week	Practical (P) Hours per week	Total Credits
PLN4403	Planning Legislation and Professional Practice	2	1	-	-	2
PLN4437	Planning Thesis	2	-	16	-	18
TOTAL						20

AMITY MEDICAL SCHOOL

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13393 B.Sc.-Dietetics & Applied Nutrition (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2151	Principles of Nutrition	3	-	-	3
DAN2101	Food Science-I	3	-	-	3
DAN2102	Nutritional Biochemistry	4	-	-	4
DAN2103	Food Science- I Lab	-	-	4	2
DAN2104	Nutritional Biochemistry Lab	-	-	4	2
Open Electives					*7+3
LAN2151	Foreign Language-I French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening *	1	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2151	Environmental Studies-I *	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					24

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2251	Family Meal Management	2	-	2	3
DAN2201	Food Science-II	3	-	-	3
DAN2202	Food Microbiology	4	-	-	4
DAN2203	Food Science II Lab	-	-	4	2
DAN2204	Food Microbiology Lab	-	-	4	2
Open Electives					*7+3

LAN2251	Foreign Language-II French-II	3	-	-	3
LAN2252	German-II				
LAN2253	Spanish-II				
LAN2254	Russian-II				
LAN2255	Chinese-II				
LAN2256	Portuguese-II				
LAN2257	Korean-II				
LAN2258	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
ENV2251	Environmental Studies-II*	2	-	-	2
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2351	Basic Dietetics	3	-	-	3
DAN2301	Quantity Food Services	3	-	-	3
DAN2302	Human Physiology	4	-	-	4
DAN2303	Human Physiology Lab	-	-	4	2
	Concentration Electives				3
DAN2331	Research Paper Writing	2			2
DAN2332	Project (with Presentation & Evaluation)	3			3
DAN2333	Workshop (1 credit per workshop)	1	-	-	1
DAN2304	Food Processing	3	-	-	3
	Open Electives				*4+3
LAN2351	Foreign Language-III French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish-III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension *	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial(T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2451	Advanced Dietetics	2	-	2	3
DAN2401	Food Service Management	3	-	-	3
DAN2402	Quantity Food Production	3	-	-	3
DAN2403	Clinical Nutrition	3	-	-	3
DAN2404	Food Service Management Lab	-	-	2	1
Concentration Electives					3
DAN2431	Paper Writing	2	-	-	2
DAN2432	Project (with Presentation &Evaluation)	3	-	-	3
DAN2433	Workshop (1 credit per workshop)	1	-	-	1
DAN2405	Foundation of Food Nutrition	3	-	-	3
Open Electives					*4+3
LAN2451	Foreign Language-IV	2	-	-	2
LAN2452	French-IV				
LAN2453	German-IV				
LAN2454	Spanish-IV				
LAN2455	Russian-IV				
LAN2456	Chinese-IV				
LAN2457	Portuguese-IV				
LAN2458	Korean-IV				
LAN2459	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication *	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					23

SUMMER INTERNSHIP

FIFTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2551	Community Nutrition	3	-	-	3
DAN2501	Nutrition for Health & Fitness	5	-	-	5
DAN2502	Bakery	4	-	-	4
DAN2503	Food Quality Control	4	-	-	4
DAN2504	Bakery Lab	-	-	4	2
DAN2505	Food Quality Lab	-	-	4	2
DAN2535	Summer Internship Evaluation	-	-	-	6
Open Electives					*4+3

LAN2551	Foreign Language-V French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish -V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills *	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				33

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN2601	Food Preservation	4	-	-	4
DAN2602	Clinical & Therapeutic Nutrition	4	-	-	4
DAN2603	Food Preservation Lab	-	-	2	1
DAN2604	Clinical & Therapeutic Nutrition Lab	-	-	2	1
DAN2637	**Internship	-	-	-	9
	Open Electives				*2+3
CSS2651	Workplace Communication *	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				24

*Compulsory

**Internship period will begin from 15th Feb (tentative) for approximately 45 days.

13165 B.Sc.-Medical Lab Technology (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2107	Anatomy and Physiology-I	3	-	-	3
MLT2108	Haematology-I	3	-	-	3
MLT2109	General Microbiology	3	-	-	3
MLT2103	General Biochemistry-I	3	-	-	3
MLT2110	Anatomy and Physiology Lab-I	-	-	2	1
MLT2111	Haematology Lab-I	-	-	2	1
MLT2112	Clinical Training-I	-	-	4	2
Open Electives					*7+3
CSS2151	Effective Listening	1	-	-	1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
ENV2151	Environmental Studies-I	2	-	-	2
LAN2151	Foreign Language-I	3	-	-	3
LAN2152	French-I				
LAN2153	German-I				
LAN2154	Spanish-I				
LAN2155	Russian-I				
LAN2156	Chinese-I				
LAN2157	Portuguese-I				
LAN2158	Korean-I				
LAN2159	Japanese-I				
LAN2159	Hindi-I **				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2207	Anatomy and Physiology-II	3	-	-	3
MLT2208	Haematology-II	3	-	-	3
MLT2209	Clinical Bacteriology	3	-	-	3

MLT2210	General Biochemistry-II	3	-	-	3
MLT2211	Haematology Lab-II	-	-	2	1
MLT2212	Clinical Training-II	-	-	4	2
Concentration Electives					3
MLT2205	Nutrition	3	-	-	3
MLT2206	Medical Terminology	3	-	-	3
MLT2234	Study Abroad	-	-	-	3
Open Electives					*7+3
ENV2251	Environmental Studies-II	2	-	-	2
CSS2251	Presentation Skills	1	-	-	1
BEH2251	Problem Solving & Creative Thinking	1	-	-	1
LAN2251	Foreign Language-II	3			3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
	Hindi-II				
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

THIRD SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2307	Immunology and Serology	3	-	-	3
MLT2308	Haematology-III	3	-	-	3
MLT2309	Clinical Parasitology	3	-	-	3
MLT2310	Metabolic Biochemistry	3	-	-	3
MLT2311	Haematology Lab-III	-	-	2	1
MLT2312	Clinical Biochemistry Lab	-	-	2	1
MLT2313	Clinical Training-III	-	-	4	2
Concentration Electives					3
MLT2305	Hospital Administration	3	-	-	3
MLT2306	Lab Management & Safety Process	2	-	2	3
MLT2334	Study Abroad	-	-	-	3
Open Electives					*4+3

CSS2351	Reading and Comprehension	1	-	-	1
BEH2351	Group Dynamics & Team Building	1	-	-	1
LAN2351	Foreign Language-III French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish -III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				26

FOURTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2405	Clinical Pathology and Cytology	3	-	-	3
MLT2406	Clinical Virology and Mycology	3	-	-	3
MLT2407	Diagnostic Biochemistry-I	3	-	-	3
MLT2408	Diagnostic Biochemistry Lab-I	-	-	2	1
MLT2409	Clinical Training-IV	-	-	4	2
	Concentration Electives				3
MLT2410	Basics in Computers & PC Package	2	-	2	3
MLT2411	Mathematics and Biostatistics	3	-	-	3
MLT2434	Study Abroad	-	-	-	3
	Open Electives				*4+3
CSS2451	Corporate Communication	1	-	-	1
BEH2451	Stress & Coping Strategies	1	-	-	1
LAN2451	Foreign Language-IV French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				22

**SUMMER INTERNSHIP
FIFTH SEMESTER**

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2507	Histopathology	4	-	-	4
MLT2508	Immunohematology and Blood Transfusion	3	-	-	3
MLT2509	Biostatistics and Quality Assurance	3	-	-	3
MLT2510	Diagnostic Biochemistry-II	4	-	-	4
MLT2511	Diagnostic Biochemistry Lab-II	-	-	2	1
MLT2512	Clinical Training-V	-	-	4	2
MLT2535	Summer Internship Evaluation	-	-	-	3
Concentration Electives					3
MLT2505	Preventive & Social Medicine	3	-	-	3
MLT2532	Project (with presentation & evaluation)	3	-	-	3
MLT2534	Study Abroad	-	-	-	3
Open Electives					*4+3
CSS2551	Employability Skills	1	-	-	1
BEH2551	Individual, Society & Nations	1	-	-	1
LAN2551	Foreign Language-V French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
	Minor Track Course (Flexi)				
TOTAL					30

SIXTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
MLT2637	Internship Evaluation	-	-	-	15
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					18

Note: The Internship program is of 3.5 month duration. After completion of internship, student has to attend the flexi classes. A student doing internship has to work under supervision of experienced staff in the following areas for 15 days: (1) Clinical Pathology (2) Microbiology & Serology (3) Haematology (4) Clinical Biochemistry (5) Histopathology & Cytology (6) Transfusion Medicine and (7) Phlebotomy.

131127 Bachelor of Optometry (Total Credits-210)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2101	General Anatomy	3	-	-	-	3
OPT2102	General Physiology	3	-	1	-	3
OPT2103	Basic Biochemistry-I	2	1	-	-	3
OPT2104	Physical Optics	2	1	-	-	3
OPT2105	Geometrical Optics-I	2	-	2	-	3
OPT2106	Optometric Procedures-I	-	-	2	-	1
Concentration Electives						2
OPT2107	Basics in Computers and PC	2	-	-	-	2
OPT2108	Mathematics and Biostatistics	2	-	-	-	2
Open Electives						*7+3
LAN2151	Foreign Language-I* French-I	3	-	-		3
LAN2152	German-I					
LAN2153	Spanish-I					
LAN2154	Russian-I					
LAN2155	Chinese-I					
LAN2156	Portuguese-I					
LAN2157	Korean-I					
LAN2158	Japanese-I					
LAN2159	Hindi-I **					
CSS2151	Effective Listening *	1	-	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	-	1
ENV2151	Environmental Studies-I *	2	-	-	-	2
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						28

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2201	Basic Biochemistry-II	2	1	-	-	3
OPT2202	Ocular Anatomy	3	-	1	-	3
OPT2203	Ocular Physiology	4	-	1	-	4
OPT2204	Geometrical Optics-II	3	-	2	-	4
OPT2205	Optometric Procedures-II	1	-	2	-	2
OPT2206	Clinics-I	-	-	-	3hours/week	1
Concentration Electives						3
OPT2207	Nutrition	2	-	2	-	3
OPT2209	Medical Psychology	3	-	-	-	3
OPT2232	Project (with Presentation & Evaluation)	-	-	-	-	3
Open Electives						7*+3
LAN2251	Foreign Language-II* French-II	3	-	-	-	3
LAN2252	German-II					
LAN2253	Spanish-II					
LAN2254	Russian-II					
LAN2255	Chinese-II					
LAN2256	Portuguese-II					
LAN2257	Korean-II					
LAN2258	Japanese-II					
LAN2259	Hindi-II					
CSS2251	Presentation Skills*	1	-	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	-	1
ENV2251	Environmental Studies-II *	2	-	-	-	2
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						30

THIRD SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2301	Ocular Microbiology	2	-	-	-	2
OPT2302	Applied Optics-I (Optometric Optics)	3	-	1	-	3
OPT2303	Visual Optics-I (Visual Perception & Neurophysiology)	3	-	2	-	4
OPT2304	Pathology	2	-	-	-	2
OPT2305	Ocular Diseases-I	3	-	2	-	4
OPT2306	Clinical Optometric Procedures	2	-	2	-	3
OPT2307	Clinics-II	-	-	-	3hrs/week	1
Concentration Electives						3
OPT2331	Term Paper	-	-	-	-	2
OPT2332	Project (with Presentation & Evaluation)	-	-	-	-	2
OPT2333	Workshop / Certification (1credit per workshop)	-	-	-	-	1
OPT2308	Hospital Administration	2	-	-	-	2
OPT2309	Basic Accountancy	2	-	-	-	2
OPT2310	Medical Law and Ethics	2	-	-	-	2
Open Electives						*4+3
LAN2351	Foreign Language–III* French- III	2	-	-	-	2
LAN2352	German-III					
LAN2353	Spanish-III					
LAN2354	Russian -III					
LAN2355	Chinese-III					
LAN2356	Portuguese-III					
LAN2357	Korean-III					
LAN2358	Japanese-III					
LAN2359	Hindi-III					
CSS2351	Reading and Comprehension*	1	-	-	-	1
BEH2351	Group Dynamics and Team Building *	1	-	-	-	1
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2401	Applied Optics-II (Dispensing Optics)	3	-	2	-	4
OPT2402	Visual Optics-II	3	-	-	-	3
OPT2403	Ocular Diseases-II	3	-	2	-	4
OPT2404	Basic Pharmacology	2	-	-	-	2
OPT2405	Optometric Instruments	2	-	-	-	2
OPT2406	Clinics-III	-	-	-	9 hrs/week	3
Concentration Electives						3
OPT2407	Ophthalmic imaging	1	-	-	60hrs/se mester	3
OPT2408	Ophthalmic Electrodiagnostic Procedures	1	-	-	60hrs/se mester	3
OPT2409	Perimetry	1	-	-	60hrs/se mester	3
OPT2431	Term Paper	-	-	-	-	2
OPT2432	Project (with Presentation & Evaluation)	-	-	-	-	3
OPT2433	Workshop / Certification (1credit per workshop)	-	-	-	-	1
Open Electives						*4+3
LAN2451	Foreign Language-IV* French- IV	2	-	-	-	2
LAN2452	German-IV					
LAN2453	Spanish-IV					
LAN2454	Russian -IV					
LAN2455	Chinese-IV					
LAN2456	Portuguese-IV					
LAN2457	Korean-IV					
LAN2458	Japanese-IV					
LAN2459	Hindi-IV					
CSS2451	Corporate Communication*	1	-	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	-	1
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						28

FIFTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2501	Contact Lens-I	3	-	-	-	3
OPT2502	Low Vision Care	3	-	-	-	3
OPT2503	Public Health, Community Optometry	2	-	-	-	2
OPT2504	Binocular Vision-I	3	-	-	-	3
OPT2505	Diseases of the Eye and Clinical Medicine	2	-	-	-	2
OPT2506	Occupational Optometry	2	-	-	-	2
OPT2507	Clinics-IV	-	-	-	9 hrs/week	3
OPT2535	Summer Internship Evaluation-I	-	-	-	-	2
Concentration Electives						3
OPT2508	Ocular Prosthesis	1	-	-	30hrs/semester	3
OPT2509	Refractive Surgery	1	-	-	30hrs/semester	3
OPT2510	Research Methodology	2	1	-	-	3
OPT2531	Term Paper	-	-	-	-	2
OPT2532	Project (with Presentation & Evaluation)	-	-	-	-	3
OPT2533	Workshop / Certification (1credit per workshop)	-	-	-	-	1
Open Electives						*4+3
LAN2551	Foreign Language-V* French-V	2	-	-	-	2
LAN2552	German-V					
LAN2553	Spanish-V					
LAN2554	Russian -V					
LAN2555	Chinese-V					
LAN2556	Portuguese-V					
LAN2557	Korean-V					
LAN2558	Japanese-V					
LAN2559	Hindi-V					
CSS2551	Employability Skills*	1	-	-	-	1
BEH2551	Individual ,Society and Nations*	1	-	-	-	1
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						30

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2601	Contact Lens-II	3	-	2	-	4
OPT2602	Binocular Vision-II	3	-	2	-	4
OPT2603	Geriatric Optometry	3	-	-	-	3
OPT2604	Pediatric Optometry	3	-	1	-	3
OPT2605	Clinic-V	-	-	-	12 hrs/week	3
Concentration Electives						3
OPT2606	Visual Rehabilitation	1	-	-	60hrs/se mester	3
OPT2607	Vision Therapy and Learning Disabilities	1	-	-	60hrs/se mester	3
OPT2608	Eye Banking	1			60hrs/se mester	3
OPT2609	Introduction to Biostatistics	2	1	-	-	3
OPT2632	Project (with Presentation & Evaluation)	-	-	-	-	3
Open Electives						*2+3
CSS2651	Workplace Communication *	1	-	-	-	1
BEH2651	Interpersonal Communication & Relationship Management*	1	-	-	-	1
	Minor Track Course (Flexi)	-	-	-	-	3
TOTAL						25

Research Project: The student needs to start with project in the third year. Part evaluation of final evaluation will be part of the semester (100 hours/ third year)

SEVENTH SEMESTER (INTERNSHIP-I)

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
Clinics-VI (Total 750 clinical hours/semester)						
OPT2701	(Clinics-VI A.) Retina, Glaucoma, Low Vision	1	-	-	-	3
OPT2702	(Clinics-VI B.) Pediatric & Binocular Vision	1	-	-	-	3
OPT2703	(Clinics-VI C.) Cornea and Contact Lenses	1	-	-	-	3

OPT2704	(Clinics-VI D.) Primary Eye Care	1	-	-	-	3
OPT2735	Summer Internship Evaluation-II	-	-	-	-	6
OPT2737	Research Project (Mid-Term Evaluation)	-	-	-	100 hours	-
	TOTAL					18

EIGHTH SEMESTER (INTERNSHIP-II)

Course Code	Course Title	Lectures (L)Hours Per Week	Tutorial (T)Hours Per Week	Practical (P) Hours Per Week	Clinical Hours	Total Credits
OPT2801	Clinics VII (Comprehensive Eye Care and Refraction)	1	-	-	300 hours	5
OPT2802	Clinics VIII (Optometric Procedures and Instruments)	1	-	-	300 hours	5
OPT2837	Project - Dissertation	-	-	-	-	12
	TOTAL					22

13389 Bachelor in Audiology & Speech Language Pathology (BASLP) (Total Credits-290)

Programme Structure - 2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2106	Communication Sciences	3	1	-	4 hours x 16 weeks	5
ASL2107	Anatomy and Physiology of Speech & Hearing	3	1	-	4 hours x 16 weeks	5
ASL2108	Clinical Psychology	3	1	-	4 hours x 16 weeks	5
ASL2109	Linguistics and Phonetics	3	1	-	4 hours x 16 weeks	5
ASL2110	Electronics and Acoustics	3	1	-	4 hours x 16 weeks	5
ASL2111	Research Methods and Statistics	3	1	-	4 hours x 16 weeks	5
ASL2105	Clinical Practicum	-	-	12	12 hours x 16 weeks	8
Open Electives						7
LAN2151	Foreign Language-I French-I	3	-	-	-	3
LAN2152	German-I					
LAN2153	Spanish-I					
LAN2154	Russian-I					
LAN2155	Chinese-I					
LAN2156	Portuguese-I					
LAN2157	Korean-I					
LAN2158	Japanese-I					
LAN2159	Hindi-I **					
CSS2151	Effective Listening *	1	-	-	-	1
BEH2151	Understanding Self for Effectiveness*	1	-	-	-	1
ENV2151	Environmental Studies-I	2	-	-	-	2
TOTAL						45

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial(T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2206	Neurology	3	1	-	4 hours x 16 weeks	5
ASL2207	Otolaryngology	3	1	-	4 hours x 16 weeks	5
ASL2208	Speech Language Pathology	3	1	-	4 hours x 16 weeks	5
ASL2209	Audiology	3	1	-	4 hours x 16 weeks	5
ASL2210	Practicals in Speech Language Pathology	-	-	10	10 hours x 16 weeks	7
ASL2211	Practicals in Audiology	-	-	10	10 hours x 16 weeks	7
Open Electives						7
LAN2251	Foreign Language-II French-II	3	-	-		3
LAN2252	German-II					
LAN2253	Spanish-II					
LAN2254	Russian-II					
LAN2255	Chinese-II					
LAN2256	Portuguese-II					
LAN2257	Korean-II					
LAN2258	Japanese-II					
LAN2259	Hindi-II					
CSS2251	Presentation Skills *	1	-	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	-	1
ENV2251	Environmental Studies-II	2	-	-	-	2
TOTAL						41

THIRD SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial(T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2307	Voice and its Disorders	3	1	-	4 hours x 16 weeks	5
ASL2308	Speech Sound Disorders	3	1	-	4 hours x 16 weeks	5
ASL2309	Diagnostic Audiology Behavioral Test	3	1	-	4 hours x 16 weeks	5

ASL2310	Amplification Devices	3	1	-	4 hours x 16 weeks	5
ASL2311	Clinicals in Speech Language Pathology-I	-	-	10	10 hours x 16 weeks	7
ASL2312	Clinicals in Audiology-I	-	-	10	10 hours x 16 weeks	7
ASL2335	Summer Internship Evaluation-I (Community Outreach Programs)	-	-	-	-	3
Open Electives						4
LAN2351	Foreign Language-III French-III	2	-	-		2
LAN2352	German-III					
LAN2353	Spanish-III					
LAN2354	Russian-III					
LAN2355	Chinese-III					
LAN2356	Portuguese-III					
LAN2357	Korean-III					
LAN2358	Japanese-III					
LAN2359	Hindi-III					
CSS2351	Reading & Comprehension *	1	-	-		1
BEH2351	Group Dynamics and Team Building*	1	-	-		1
TOTAL						41

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2402	Motor Speech Disorders in Children	3	1	-	4 hours x 16 weeks	5
ASL2406	Child Language Disorders	3	1	-	4 hours x 16 weeks	5
ASL2407	Diagnostic Audiology – Physiological Tests	3	1	-	4 hours x 16 weeks	5
ASL2408	Implantable Hearing Devices	3	1	-	4 hours x 16 weeks	5
ASL2409	Clinicals in Speech Language Pathology-II	-	-	10	10 hours x 16 weeks	7
ASL2410	Clinicals in Audiology-II	-	-	10	10 hours x 16 weeks	7
Open Electives						4

LAN2451	Foreign Language-IV French-IV	2	-	-		2
LAN2452	German-IV					
LAN2453	Spanish-IV					
LAN2454	Russian-IV					
LAN2455	Chinese-IV					
LAN2456	Portuguese-IV					
LAN2457	Korean-IV					
LAN2458	Japanese-IV					
LAN2459	Hindi-IV					
CSS2451	Corporate Communication *	1	-	-		1
BEH2451	Stress and Coping Strategies*	1	-	-		1
	TOTAL					38

FIFTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2501	Fluency and its Disorders	3	1	-	4 hours x 16 weeks	5
ASL2507	Structural Anomalies & Speech Disorders	3	1	-	4 hours x 16 weeks	5
ASL2508	Pediatric Audiology	3	1	-	4 hours x 16 weeks	5
ASL2509	Aural Rehabilitation in Children	3	1	-	4 hours x 16 weeks	5
ASL2510	Clinicals in Speech Language Pathology-III	-	-	10	10 hours x 16 weeks	7
ASL2511	Clinicals in Audiology-III	-	-	10	10 hours x 16 weeks	7
ASL2535	Summer Internship Evaluation-II (Outreach Program)	-	-	-	-	3
	Open Electives					4
LAN2551	Foreign Language-V French-V	2	-	-		2
LAN2552	German-V					
LAN2553	Spanish-V					
LAN2554	Russian-V					
LAN2555	Chinese-V					
LAN2556	Portuguese-V					
LAN2557	Korean-V					
LAN2558	Japanese-V					
LAN2559	Hindi-V					
CSS2551	Employability Skills *	1	-	-		1
BEH2551	Individual, Society and Nations*	1	-	-		1
	TOTAL					41

SIXTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2606	Motor Speech Disorders in Adults	3	1	-	4 hours x 16 weeks	5
ASL2607	Language Disorders in Adults	3	1	-	4 hours x 16 weeks	5
ASL2608	Aural Rehabilitation in Adults	3	1	-	4 hours x 16 weeks	5
ASL2609	Audiology in Practice	3	1	-	4 hours x 16 weeks	5
ASL2610	Clinicals in Speech Language Pathology-IV	-	-	10	10 hours x 16 weeks	7
ASL2611	Clinicals in Audiology-IV	-	-	10	10 hours x 16 weeks	7
	Open Electives					2
CSS2651	Workplace Communication *	1	-	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	-	1
	TOTAL					36

SEVENTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2701	Clinicals in Speech Language Pathology and Audiology-I	-	-	-	35 hours x 18 weeks	24
	TOTAL					24

EIGHTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Hours Per Week (RCI-Guidelines)	Total Credits
ASL2801	Clinicals in Speech Language Pathology and Audiology-II	-	-	-	35 hours x 18 weeks	24
	TOTAL					24

13402 Master of Science- Clinical Research (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CLR4101	Fundamentals of Clinical Operations	5	-	-	5
CLR4103	Statistics for Clinical Research	3	1	-	4
CLR4104	Basics of Pharmacy, Drug discovery & Development	5	-	-	5
CLR4105	Fundamentals of Anatomy and Physiology	4	-	-	4
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self-Development and Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I	3	-	-	3
LAN4152	French-I				
LAN4153	German-I				
LAN4154	Spanish-I				
LAN4155	Russian-I				
LAN4156	Chinese-I				
LAN4157	Portuguese-I				
LAN4158	Korean-I				
LAN4159	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					23

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CLR4201	Pre Clinical Studies and Safety	5	-	-	5
CLR4202	IPR & Data Exclusivity, Bioethics in Clinical Research	5	-	-	5
CLR4204	Regulatory Affairs	5	-	-	5
CLR4206	Audit & Inspection	5	-	-	5
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and	1	-	-	1

	Relationship Management				
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
	Hindi-II				
	TOTAL				25

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CLR4303	Reporting and Medical Writing	5	-	-	5
CLR4304	Pharmacogenomics	4	-	-	4
CLR4306	Project Management and Pharmacovigilance	5	-	-	5
CLR4307	Diagnostics in Clinical Research	4	-	-	4
CLR4308	Pathophysiology and Therapeutics	4	-	-	4
CLR4335	Summer Internship Evaluation	-	-	-	6
	Open Electives				4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4352	French-III				
LAN4353	German-III				
LAN4354	Spanish-III				
LAN4355	Russian-III				
LAN4356	Chinese-III				
LAN4357	Portuguese-III				
LAN4358	Korean-III				
LAN4359	Japanese-III				
	Hindi-III				
	TOTAL				32

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
CLR4437	Dissertation	-	-	-	20
	TOTAL				20

13394 M.Sc.-Dietetics & Applied Nutrition (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN4101	Advanced Nutrition-I	4	-	-	4
DAN4102	Nutritional Biochemistry-I	4	-	-	4
DAN4103	Human Physiology	3	-	-	3
DAN4104	Food Science-I	4	-	-	4
DAN4105	Therapeutic Nutrition-I	3	-	-	3
DAN4106	Nutritional Biochemistry Lab-I	-	-	2	1
DAN4107	Food Science Lab-I	-	-	2	1
DAN4108	Therapeutic Nutrition Lab-I	-	-	2	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN4201	Advanced Nutrition-II	3	-	-	3
DAN4202	Nutritional Biochemistry-II	4	-	-	4
DAN4203	Research Methodology	4	-	-	4
DAN4204	Therapeutic Nutrition-II	3	-	-	3
DAN4205	Dietetic Technique and Patient Counseling	3	-	-	3
DAN4206	Nutritional Biochemistry Lab-II	-	-	2	1

DAN4207	Advanced Nutrition Lab-II	-	-	2	1
DAN4208	Therapeutic Nutrition Lab-II	-	-	4	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication and Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN4301	Community Nutrition-I	1	1	-	2
DAN4302	Institutional Food Administration	4	-	-	4
DAN4303	Food Science-II	3	-	-	3
DAN4304	Food Microbiology	5	-	-	5
DAN4305	Community Nutrition Lab-I	-	-	2	1
DAN4306	Food Science Lab-II	-	-	4	2
DAN4307	Food Microbiology Lab	-	-	4	2
DAN4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L)Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
DAN4401	Community Nutrition-II	1	1	-	2
DAN4402	Food Processing & Technology	3	-	-	3
DAN4403	Nutrition for Health and Fitness	3	-	-	3
DAN4404	Community Nutrition Lab-II	-	-	4	2
DAN4405	Food Processing &Technology Lab	-	-	2	1
DAN4437	Dissertation	-	-	-	6
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	-	1
BEH4451	Professional Excellence	1	-	-	1
TOTAL					19

131133 Master of Optometry (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per week	Total Credits
OPT4101	Epidemiology Public Health & Community Optometry	2	1	-	-	3
OPT4102	Binocular Vision & Pediatric Optometry-I	3	-	2	-	4
OPT4105	Clinic-I (General)	-	1	-	9	3
OPT4106	Research Methodology & Biostatistics-I	2	-	2	-	3
OPT4109	Low Vision, Rehabilitation & Geriatric Optometry	3	1	-	-	4
OPT4110	Applied Optics	3	-	2	-	4
	Open Electives					5
CSS4151	Basics of Communication	1	-	-	-	1
BEH4151	Self Development and Interpersonal Skills	1	-	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	-	3
LAN4152	German-I					
LAN4153	Spanish-I					
LAN4154	Russian-I					
LAN4155	Chinese-I					
LAN4156	Portuguese-I					
LAN4157	Korean-I					
LAN4158	Japanese-I					
LAN4159	Hindi-I **					
	TOTAL	-	-	-	-	26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per week	Total Credits
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OPT4203	Binocular Vision-II & Vision Therapy	3	-	2	-	4
OPT4204	Advanced Contact Lens-I	3	-	2	-	4
OPT4205	Clinics-II (Specialty)	-	-	-	9	3
OPT4211	Ocular Diseases & Diagnostics-I	2	1	2	-	4
OPT4212	Research Methodology & Biostatistics-II	2	-	2	-	3
OPT4232	Project (Research)	-	-	-	-	2
	Open Electives					5
CSS4251	Corporate Communication	1	-	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	-	3
LAN4252	French-II					
LAN4253	German-II					
LAN4254	Spanish-II					
LAN4255	Russian-II					
LAN4256	Chinese-II					
LAN4257	Portuguese-II					
LAN4258	Korean-II					
LAN4259	Japanese-II					
	Hindi-II					
	TOTAL	-	-	-	-	25

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per week	Total Credits
OPT4303	Advanced Contact Lens-II	3	-	2	-	4
OPT4305	Clinics-III (Specialty)	-	-	-	9 hrs/week	3
OPT4306	Environmental Optometry	2	1	-	-	3
OPT4307	Teaching Methodology	1	1	2	-	3
OPT4308	Ocular Diseases & Diagnostics-II	2	1	2	-	4
OPT4332	Project	-	-	-	-	3
	Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	-	1
BEH4351	Leading Through Teams	1	-	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	-	2
LAN4352	French-III					
LAN4353	German-III					
	Spanish-III					

LAN4354	Russian-III					
LAN4355	Chinese-III					
LAN4356	Portuguese-III					
LAN4357	Korean-III					
LAN4358	Japanese-III					
LAN4359	Hindi-III					
	TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per week	Total Credits
OPT4401	Clinical Optometry (General)	-	2	-	150hrs/semester	5
OPT4437	Clinical Internship-Dissertation	-	-	-	300 hrs/semester	10
	Electives (Any One) Specialization					10
OPT4407	Advance Clinical Retina and Glaucoma	-	2	-	300hrs/semester	10
OPT4408	Advance Pediatric, Binocular Vision & Vision Therapy	-	2	-	300hrs/semester	10
OPT4409	Advance Applied Optics	-	2	-	300hrs/semester	10
OPT4410	Advance Cornea & Contact Lens	-	2	-	300hrs/semester	10
	TOTAL					25

131134 Master of Optometry-Practitioner (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Self Guided Clinical (C) Hours per Semester	Total Credits
OPP4101	Epidemiology Public Health & Community Optometry	2	1	-	30hrs	3
OPP4102	Binocular Vision & Pediatric Optometry-I	2	2	-	60hrs	4
OPP4105	Clinic-I	-	-	-	120hrs	3
OPP4106	Research Methodology & Biostatistics	2	2	-	90 hrs	4
OPP4109	Low Vision Care and Geriatric Optometry	2	2	-	60hrs	4
OPP4110	Applied Optics (Dispensing)	2	2	-	60hrs / semester	4
OPP4132	Project (with Presentation & Evaluation)	-	-	-	-	4
	TOTAL					26

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P)Hours Per Week	Self Guided Clinical (C)hours per Semester	Total Credits
OPP4203	Binocular Vision-II & Vision Therapy	2	2	-	60 hrs	4
OPP4204	Advanced Contact Lens-I	2	2	-	90 hrs	4
OPP4205	Clinics-II (Specialty)	-	1	-	60 hrs	3
OPP4211	Ocular Disease and Diagnostics-I	2	2	-	90 hrs	4
OPP4212	Low Vision Care and Rehabilitation	2	2	-	60 hrs	4
OPP4232	Project	-	-	-		4
	TOTAL					23

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per Semester	Total Credits
OPP4303	Advanced Contact Lens-II	2	2	-	60hrs/semester	4
OPP4305	Clinics-III (Specialty)	-	2	-	90 hrs/	4
OPP4306	Environmental Optometry	1	1	-	60hrs/semester	3
OPP4307	Teaching Methodology	1	2	-	60hrs/semester	3
OPP4308	Ocular Diseases and Diagnostics-II	2	2	-	90 hrs	4
OPP4332	Project	-	-	-	-	6
	TOTAL					24

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical (C) hours per Semester	Total Credits
OPP4401	Clinical Optometry (General)	2	-	-	180hrs/semester	6
OPP4437	Clinical Dissertation	-	-	-	-	11
	Electives (Any One)					10
OPP4407	Advance Clinical Retina	2	-	-	200 hrs/Semester	10
OPP4408	Advance Clinical Glaucoma	2	-	-	200 hrs/Semester	10
OPP4409	Advance Clinical Pediatric, Binocular Vision and Vision Therapy	2	-	-	200 hrs/Semester	10
OPP4410	Advance Applied Optics	2	-	-	200 hrs/Semester	10
OPP4411	Advance Cornea & Contact Lens	2	-	-	200 hrs/Semester	10
	TOTAL					27

13396 Master of Public Health (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PUH4101	Demography	2	1	-	3
PUH4102	Basic Epidemiology	2	1	-	3
PUH4103	Social & Behavioral Aspects of Health	2	-	-	2
PUH4104	Healthcare Delivery System & Policies	2	1	-	3
PUH4106	Biostatistics	2	1	-	3
PUH4109	Human Resource Management	2	1	-	3
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					22

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PUH4201	Applied Epidemiology	2	1	-	3
PUH4203	Communicable & Non-Communicable Diseases	3	1	-	4
PUH4204	Environmental Health Sanitation	2	1	-	3

PUH4205	Research Methodology	2	1	-	3
PUH4206	National Health Programmes	2	1	-	3
PUH4208	Health Economics	2	1	-	3
PUH4231	Term Paper	-	-	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					25

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PUH4301	Operations Research	3	-	-	3
PUH4302	Quality in Healthcare	2	1	-	3
PUH4303	Nutrition	2	1	-	3
PUH4304	Women & Child Health	2	1	-	3
PUH4305	Health Programme Management	2	1	-	3
PUH4306	Health Promotion & Behaviour Change Communication	2	1	-	3
PUH4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				

LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
PUH4401	Health Information System	2	-	-	2
PUH4402	Health Insurance	2	-	-	2
PUH4403	Disaster Management	2	-	-	2
PUH4404	Occupational Health	2	-	-	2
PUH4437	Dissertation	-	-	-	15
Open Electives					2
CSS4451	Cross Cultural Communication	1	-	1	1
BEH4451	Professional Excellence	1	-	1	1
TOTAL					25

Note:

- Students will visit various Healthcare Organizations, Health related industries & Health Institutions in the city during their course for Field Visits/ Practicals.
- During Fourth Semester, after registration students will proceed for internship in healthcare organizations from February to April. In May they will be back at University & submit their dissertation, viva-voce & presentation.

13340 MHA-Master of Hospital Administration (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MHA4101	Hospital Organization and Management Processes	3	1	-	4
MHA4102	Demography	2	1	-	3
MHA4104	Marketing Management	2	1	-	3
MHA4105	Biostatistics	3	-	-	3
MHA4106	Information Technology for Managers	2	-	1	3
MHA4107	Essentials of Healthcare System	2	1	-	3
MHA4108	Human Resource Management	2	1	-	3
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					27

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MHA4201	Financial Management	2	1	-	3
MHA4203	Hospital Planning	2	1	-	3
MHA4204	Health Economics	2	1	-	3
MHA4205	Research Methodology	3	-	-	3
MHA4206	Hospital Materials Management	3	-	-	3

MHA4207	Epidemiology	2	1	-	3
MHA4231	Term Paper	-	1	-	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II French-II	3	-	-	3
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					24

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MHA4301	Strategic Management	3	-	-	3
MHA4302	Operations Research	3	-	-	3
MHA4303	Quality Management	2	1	-	3
MHA4304	Medical & Health Laws	3	-	-	3
MHA4305	Management of Clinical Services	2	1	-	3
MHA4306	Management of Support & Utility Services	2	1	-	3
MHA4335	Summer Internship Evaluation	-	-	-	6
Open Electives					4
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MHA4401	Hospital Management Information System	1	1	-	2
MHA4402	Health Insurance and Medical Tourism	2	-	-	2
MHA4403	Disaster Management	1	1	-	2
MHA4437	Dissertation	-	-	-	15
	TOTAL				21

13163 M.Sc.-Medical Lab Technology (Total Credits-100)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MLT4108	Laboratory Management & Quality Control	3	-	-	3
MLT4110	Anatomy	3	-	-	3
MLT4111	Physiology	3	-	-	3
MLT4113	Clinical Immunology	4	-	-	4
MLT4114	Advanced Laboratory Technique	4	-	-	4
MLT4105	Lab Course	-	-	2	1
MLT4112	Clinical Training	-	-	4	2
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					25

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MLT4208	Molecular Diagnostics	3	-	-	3
MLT4211	Research Methodology & Biostatistics	3	-	-	3
Specialisation – Clinical Biochemistry					14
MLT4210	Metabolic Biochemistry	4	-	-	4

MLT4213	Clinical Nutrition	4	-	-	4
MLT4214	Principles of Biochemistry	3	-	-	3
MLT4215	Clinical Biochemistry Lab Course-I	-	-	2	1
MLT4216	Clinical Biochemistry Clinical Training-I	-	-	4	2
Specialisation – Clinical Microbiology					14
MLT4217	General Microbiology	4	-	-	4
MLT4218	Diagnostic Microbiology-I	3	-	-	3
MLT4219	Clinical Bacteriology	4	-	-	4
MLT4220	Clinical Microbiology Lab Course-I	-	-	2	1
MLT4221	Clinical Microbiology Clinical Training-I	-	-	4	2
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioural Communication & Relationship Management	1	-	-	1
Foreign Business Language-II		3	-	-	3
LAN4251	French-II				
LAN4252	German-II				
LAN4253	Spanish-II				
LAN4254	Russian-II				
LAN4255	Chinese-II				
LAN4256	Portuguese-II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
LAN4259	Hindi-II				
TOTAL					25

SUMMER PROJECT

Note: Students must submit their summer project report immediately on return from summer vacation in June/ July and the same would be evaluated for 6 credit units, which would be included in the Third Semester marks.

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
MLT4335	Summer Project Evaluation	-	-	-	6
Specialisation – Clinical Biochemistry					22
MLT4307	Clinical Endocrinology	4	-	-	4
MLT4308	Clinical Enzymology	4	-	-	4
MLT4309	Advances in Intermediary Metabolism	3	-	-	3
MLT4310	Diagnostic Biochemistry	4	-	-	4
MLT4313	Advanced Chemical Pathology	4	-	-	4
MLT4314	Clinical Biochemistry Lab Course-	-	-	2	1

	II				
MLT4315	Clinical Biochemistry Clinical Training-II	-	-	4	2
Specialisation – Clinical Microbiology					22
MLT4316	Diagnostic Microbiology-II	4	-	-	4
MLT4317	Clinical Virology	4	-	-	4
MLT4318	Clinical Mycology	4	-	-	4
MLT4319	Clinical Parasitology	4	-	-	4
MLT4320	Pharmaceutical Microbiology	3	-	-	3
MLT4321	Clinical Microbiology Lab Course-II	-	-	2	1
MLT4322	Clinical Microbiology Clinical Training-II	-	-	4	2
Open Electives					4
	Foreign Business Language-III	2	-	-	2
LAN4351	French-III				
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
CSS4351	Interpersonal Communication	1			1
BEH4351	Leading Through Teams	1			1
TOTAL					32

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Clinical Hours Per (Sem.)	Total Credits
MLT4401	On Job Training	-	-	-	200 Hours	9
MLT4437	Dissertation-Clinical Research	-	-	-	-	9
TOTAL						18

Note:

Student will be sent to laboratories at Universities, National Institute and Hospitals for their project based research work during 4th Semester. At the end of 4th semester student will be evaluated on the basis of dissertation followed by presentation of their research work.

**131135 Executive-MHA (Working Professionals) (Total Credits-90)
Three-Year Part-Time**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4101	Management Process & Organizational Behaviour	1	-	4	3
HAP4102	Hospital as an Organization	1	-	4	3
HAP4103	Demography	1	-	4	3
HAP4104	Marketing Management	1	-	4	3
HAP4105	IT for Managers	1	-	4	3
	TOTAL				15

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4201	Human Resource Management	1	-	4	3
HAP4202	Hospital Planning	1	-	4	3
HAP4203	Epidemiology	1	-	4	3
HAP4204	Biostatistics	1	-	4	3
HAP4205	Essentials of Healthcare System	1	-	4	3
	TOTAL				15

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4301	Financial Management	1	-	4	3
HAP4302	Research Methodology	1	-	4	3
HAP4303	Health Economics	1	-	4	3
HAP4304	Medical & Health Laws	1	-	4	3
HAP4305	Hospital Materials Management	1	-	4	3
	TOTAL				15

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4401	Operations Research	1	-	4	3
HAP4402	Quality Management	1	-	4	3
HAP4403	Management of Clinical Services	1	-	4	3
HAP4404	Management of Support & Utility Services	1	-	4	3
HAP4405	Disaster Management	1	-	4	3
	TOTAL				15

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4501	Strategic Management	1	-	4	3
HAP4502	Hospital Management Information System	1	-	4	3
HAP4503	Health Insurance & Medical Tourism	1	-	4	3
HAP4535	Summer Project Evaluation	-	-	-	6
	TOTAL				15

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Self Study (S) Hours Per Week	Total Credits
HAP4637	Dissertation-Project	-	-	-	15
	TOTAL				15

Note: One hour of Self-Study carries 0.5 credits

131311 B.Sc. Molecular Medicine & Stem Cell Technologies (Total Credits-150)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2101	Cell Biology & Genetics	2	-	-	2
SCT2102	Microbiology & Virology	3	-	-	3
SCT2103	Biochemistry	2	-	-	2
SCT2104	Stem Cell Technology Basics	3	-	-	3
SCT2105	Biotechniques & Instrumentation	2	-	-	2
SCT2106	Bioinformatics-I	1	-	-	1
SCT2107	Cell & Molecular Biology Lab	-	-	2	1
SCT2108	Biochemistry Lab	-	-	2	1
SCT2109	Biotechniques & Instrumentation Lab	-	-	2	1
SCT2110	Research Presentation	-	-	-	1
SCT2131	Term Paper	-	-	-	1
Open Electives					9*+3
LAN2151	Foreign Language-I* French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian -I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
CSS2151	Effective Listening*				
BEH2151	Understanding Self for Effectiveness*	1	-	-	1
ENV2152	Environmental Studies *	4	-	-	4
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					30

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2201	Molecular Biology	2	-	-	2
SCT2202	Immunology-I	2	-	-	2
SCT2203	Human Developmental Biology	3	-	-	3
SCT2204	Bioinformatics-II	1	-	-	1
SCT2205	Biostatistics	3	-	-	3
SCT2206	Enzymology & Enzyme Technology	2	-	-	2
SCT2207	Molecular Biology Lab	-	-	2	1
SCT2208	Microbiology & Virology Lab	-	-	2	1
SCT2209	Immunology-I Lab	-	-	2	1
SCT2210	Bioinformatics-II Lab	-	-	2	1
SCT2211	Scientific Communication Skill Development (Seminar/ Workshop)	-	-	-	1
Open Electives					5*+3
LAN2251	Foreign Language-II*	3	-	-	3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian -II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
LAN2259	Hindi-II				
CSS2251	Presentation Skills *	1	-	-	1
BEH2251	Problem Solving and Creative Thinking*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					26

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2301	Stem Cell Biology, Anatomy and Physiology	3	-	-	3
SCT2302	Molecular Medicine	3	-	-	3

SCT2303	Immunology-II	2	-	-	2
SCT2304	Recombinant DNA Technology	2	-	-	2
SCT2305	Nano-Biotechnology and Nano-Medicine	2	-	-	2
SCT2306	Genomics & Proteomic Algorithms	2	-	-	2
SCT2307	Immunology-II Lab	-	-	2	1
SCT2308	Recombinant DNA Technology Lab	-	-	2	1
SCT2309	Genomics & Proteomic Algorithms Lab	-	-	2	1
SCT2310	Nano-Biotechnology and Nano-Medicine Lab	-	-	2	1
SCT2311	Scientific Communication Skill Development (Seminar/ Workshop)	-	-	-	1
Concentration Electives (Select any One)					2
SCT2312	Fermentation Technology	2	-	-	2
SCT2331	Term Paper	-	-	-	2
Open Electives					4*+3
LAN2351	Foreign Language – III *	2	-	-	2
LAN2352	French-III				
LAN2353	German-III				
LAN2354	Spanish-III				
LAN2355	Russian -III				
LAN2356	Chinese-III				
LAN2357	Portuguese-III				
LAN2358	Korean-III				
LAN2359	Japanese-III				
LAN2359	Hindi-III				
CSS2351	Reading & Comprehension*	1	-	-	1
BEH2351	Group Dynamics and Team Building*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					28

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2401	Human Pluripotent Stem Cell Culture & Differentiation Methods	2	-	-	2
SCT2402	Cancer Biology & Cancer Therapeutics	2	-	-	2
SCT2403	Preclinical Animal Models	2	-	-	2
SCT2404	Molecular Modeling & Drug Development	2	-	-	2

SCT2405	Plant Biotechnology and Its Applications in Molecular Medicine	2	-	-	2
SCT2406	Molecular Immunology Lab	-	-	2	1
SCT2407	Molecular Modeling & Drug Development Lab	-	-	2	1
SCT2408	Scientific Communication Skill Development (Seminar/ Workshop)	-	-	-	1
Open Electives					4*+3
LAN2451	Foreign Language-IV* French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian -IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
CSS2451	Corporate Communication*	1	-	-	1
BEH2451	Stress and Coping Strategies*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
TOTAL					20

SUMMER INTERNSHIP

FIFTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2501	Human Pluripotent Stem Cells Based Therapeutics	2	-	-	2
SCT2502	Systems Biology	2	-	-	2
SCT2503	Ethics of Biomedical Research, Intellectual Property (IP), IP rights (IPR)	3	-	-	3
SCT2504	Clinical Trial Design	3	-	-	3
SCT2505	Stem Cells and Regenerative Medicine Lab	-	-	2	1
SCT2531	Term Paper	-	-	-	1
SCT2506	Scientific Communication Skill Development (Seminar/ Workshop)	-	-	-	1
SCT2507	Medical Writing (Online Resources)	-	-	-	1
SCT2535	Summer Internship Evaluation	-	-	-	6
Open Electives					4*+3

LAN2551	Foreign Language-V*	2	-	-	2
LAN2552	French-V				
LAN2553	German-V				
LAN2554	Spanish-V				
LAN2555	Russian -V				
LAN2556	Chinese-V				
LAN2557	Portuguese-V				
LAN2558	Korean-V				
LAN2559	Japanese-V				
LAN2559	Hindi-V				
CSS2551	Employability Skills*	1	-	-	1
BEH2551	Individual, Society and Nations*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				27

SIXTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credit
SCT2601	Analysis of Business of Science & Alternative Careers in Molecular Medicine and Regenerative Medicine (Online Resources)	-	-	-	1
SCT2602	Industry Trends and Campus Recruitment Events and Career Counseling (Online Resources)	-		-	1
SCT2637	Dissertation/ Project Report Presentation/ Viva-Voce	-	-	-	12
	Open Electives				2* + 3
CSS2651	Workplace Communication*	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management*	1	-	-	1
	Minor Track Course (Flexi)	-	-	-	3
	TOTAL				19

**131312 M.Sc.- Molecular Medicine & Stem Cell Technologies
(Total Credits-100)**

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
SCT4101	Cell Biology & Genetics	3	-	-	3
SCT4102	Microbiology & Virology	3	-	-	3
SCT4103	Molecular Biology & rDNA Technology	2	-	-	2
SCT4104	Human Anatomy and Physiology	2	-	-	2
SCT4105	Bioanalytical Technologies & Instrumentation	2	-	-	2
SCT4106	Biostatistics	3	-	-	3
SCT4107	Biological Programming-I (Bioinformatics)	1	-	-	1
SCT4108	Cell & Molecular Biology Lab	-	-	2	1
SCT4109	Molecular Biology & rDNA Technology Lab	-	-	2	1
SCT4110	Bioanalytical Technologies & Instrumentation Lab	-	-	2	1
SCT4111	Research Seminar/ Research Presentation/ Lit. Review & Presentation: Molecular Medicine	-	-	-	1
SCT4131	Term Paper	-	-	-	1
Open Electives					5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development & Interpersonal Skills	1	-	-	1
LAN4151	Foreign Business Language-I French-I	3	-	-	3
LAN4152	German-I				
LAN4153	Spanish-I				
LAN4154	Russian-I				
LAN4155	Chinese-I				
LAN4156	Portuguese-I				
LAN4157	Korean-I				
LAN4158	Japanese-I				
LAN4159	Hindi-I **				
TOTAL					26

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
SCT4201	Stem Cell Technology	2	-	-	2
SCT4202	Fundamental Immunology-I	2	-	-	2
SCT4203	Human Embryology and Developmental Biology	2	-	-	2
SCT4204	Biological Programming-II (Bioinformatics)	1	-	-	1
SCT4205	Molecular Medicine: Principles & Application	3	-	-	3
SCT4206	Nano-medicines and Technologies	3	-	-	3
SCT4207	Fermentation Technology & Its Applications in Molecular Medicine	3	-	-	3
SCT4208	Stem Cell Technology Lab	-	-	2	1
SCT4209	Nano-medicines and Technologies Lab	-	-	2	1
SCT4210	Fundamental Immunology-I Lab	-	-	2	1
SCT4211	Biological Programming (Bioinformatics)-II Lab	-	-	2	1
Open Electives					5
CSS4251	Corporate Communication	1	-	-	1
BEH4251	Behavioral Communication & Relationship Management	1	-	-	1
LAN4251	Foreign Business Language-II	3	-	-	3
LAN4252	French-II				
LAN4253	German-II				
LAN4254	Spanish-II				
LAN4255	Russian-II				
LAN4256	Chinese-II				
LAN4257	Portuguese-II				
LAN4258	Korean-II				
LAN4259	Japanese-II				
LAN4259	Hindi-II				
TOTAL					25

SUMMER INTERNSHIP THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
SCT4301	Cancer Biology & Cancer	3	-	-	3

	Therapeutics (T cell & Antibody-based Therapeutics)				
SCT4302	Human Stem Cell Culture & Differentiation Methods	3	-	-	3
SCT4303	Vaccines and Preclinical Animal Models	2	-	-	2
SCT4304	Fundamental Immunology-II	2	-	-	2
SCT4305	Genomics & Proteomics	2	-	-	2
SCT4306	Ethics of Biomedical Research Intellectual Property (IP), IP rights (IPR)	2	-	-	2
SCT4307	Plant Biotechnology and Its Applications in Molecular Medicine	2	-	-	2
SCT4308	Fundamental Immunology-II Lab	-	-	2	1
SCT4309	Genomics & Proteomics Lab	-	-	2	1
SCT4310	Stem Cell Culture Lab	-	-	2	1
SCT4311	Scientific Communication Skill Development (Seminar/ Workshop)	-	-	-	1
SCT4335	Summer Internship Evaluation	-	-	-	3
	Concentration Electives (Select any One)				2
SCT4312	Systems Biology	2	-	-	2
SCT4331	Term Paper	-	-	-	2
	Open Electives				4
LAN4351	Foreign Business Language-III French-III	2	-	-	2
LAN4352	German-III				
LAN4353	Spanish-III				
LAN4354	Russian-III				
LAN4355	Chinese-III				
LAN4356	Portuguese-III				
LAN4357	Korean-III				
LAN4358	Japanese-III				
LAN4359	Hindi-III				
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading Through Teams	1	-	-	1
	TOTAL				29

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
SCT4401	Analysis of Business of Science & Alternative Careers in Molecular Medicine & Regenerative Medicine (Online Resources)	-	-	-	1

SCT4402	Industry Trends & Campus Recruitment Events & Career Counseling (Online Resources)	-	-	-	1
SCT4437	Dissertation / Project Report Presentation / Viva Voce	-	-	-	18
	TOTAL	-	-	-	20

AMITY COLLEGE OF NURSING

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13184 B.Sc. (Hons.) Nursing (Total Credits-170)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Total Contact Hours	Lectures (L) Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
ENGL101	Communicative English***	40	2	-	-	2
ANAT105 & PHYS110	Applied Anatomy and Applied Physiology	120	6	-	-	6
SOCI115 & PSYC120	Applied Sociology and Applied Psychology	120	6	-	-	6
N-NF(I) 125	Nursing Foundation-I including First Aid module*	120+ 80+ 160	6	2	2	10
SSCC(I) 130	Self-study/ Co-curricular including First Aid module	40+ 40	-	-	-	-
Open Electives						3
LAN2151	Foreign Language-I French-I	36	3	-	-	3
LAN2152	German-I					
LAN2153	Spanish-I					
LAN2154	Russian-I					
LAN2155	Chinese-I					
LAN2156	Portuguese-I					
LAN2157	Korean-I					
LAN2158	Japanese-I					
LAN2159	Hindi-I **					
TOTAL		756				27

*Theory and Practical exam of Semester I (N-NF125) to be with Nursing Foundation-II including Health Assessment module (N-NF125) in Semester II

** Hindi as Foreign Language for Foreign National Students

***Internal exam at college level

SECOND SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
BIOC135	Applied Biochemistry and	100	5	-	-	5

& NUTR140	Applied Nutrition & Dietetics					
N-NF(II) 125	Nursing Foundation-(I&II) including Health Assessment module*	120+ 120	6	3	-	9
N-NF(II)P 125	Nursing Foundation-(I&II) Practical	320	-	-	4	4
HNIT145	Health/ Nursing Informatics & Technology***	40	2	1	-	3
SSCC(II) 130	Self-study/ Co-curricular	40+ 20	-	-	-	-
Open Electives						3
LAN2251	Foreign Language-II French-II	36	3	-	-	3
LAN2252	German-II					
LAN2253	Spanish-II					
LAN2254	Russian-II					
LAN2255	Chinese-II					
LAN2256	Portuguese-II					
LAN2257	Korean-II					
LAN2258	Japanese-II					
LAN2259	Hindi-II					
TOTAL		836				24

***Internal exam at college level

THIRD SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
MICR201	Applied Microbiology and Infection Control including Safety	40+ 40	2	1	-	3
PHAR(I) 205 & PATH(I) 210	Pharmacology-I and Pathology-I*	40	2	-	-	2
N-AHN(I) 215	Adult Health Nursing-I with integrated pathophysiology including BCLS module	140+ 40	7	1	-	8
N-AHN (IP) 215	Adult Health Nursing-I Practical	480	-	-	6	6
SSCC(I) 220	Self-study/ Co-curricular	20	-	-	-	-
Electives (Any One)						1
ELEC301	Human Values	20	1	-	-	1
ELEC302	Diabetes Care	20	1	-	-	1

ELEC303	Soft Skills	20	1	-	-	1
Open Electives						2
LAN2351	Foreign Language-III French-III	24	2	-	-	2
LAN2352	German-III					
LAN2353	Spanish-III					
LAN2354	Russian-III					
LAN2355	Chinese-III					
LAN2356	Portuguese-III					
LAN2357	Korean-III					
LAN2358	Japanese-III					
LAN2359	Hindi-III					
TOTAL		844				22

*Theory exam of Semester III (PHAR 205 & PATH 210) to be with Pharmacology-II including Fundamentals of prescribing Module and Pathology-II and Genetics (PHAR 205, PATH 210) in Semester IV

FOURTH SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
PHAR(II) 205 & PATH(II) 210	Pharmacology-(I&II) including Fundamentals of prescribing Module and Pathology- (I&II) & Genetics	80	4	-	-	4
N-AHN (II) 225	Adult Health Nursing-II with integrated pathophysiology including Geriatric Nursing + Palliative care module	140+ 40	7	1	-	8
N-AHN (II)P 225	Adult Health Nursing-II Practical	480	-	-	6	6
PROF230	Professionalism, Professional Values and Ethics including Bioethics***	20	1	-	-	1
SSCC(II) 220	Self-study/ Co-curricular	40	-	-	-	-
Open Electives						2
LAN2451	Foreign Language-IV French-IV	24	2	-	-	2
LAN2452	German-IV					
LAN2453	Spanish-IV					
LAN2454	Russian-IV					
LAN2455	Chinese-IV					
LAN2456	Portuguese-IV					
LAN2457	Korean-IV					
LAN2458	Japanese-IV					

LAN2459	Hindi-IV					
TOTAL		824				21

***Internal exam at college level

FIFTH SEMESTER

Course Code	Course Title	Total Hours	Lectures (L) Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
N-CHN(I) 301	Child Health Nursing-I including Essential Newborn Care (ENBC), FBNC, IMNCI and PLS, modules*	60+ 40+ 160	3	1	2	6
N-MHN (I)305	Mental Health Nursing-I*	60+ 80	3	-	1	4
N-COMH (I)310	Community Health Nursing-I including Environmental Science & Epidemiology	100	5	-	-	5
N-COMH (I)P 310	Community Health Nursing-I Practical	160	-	-	2	2
EDUC315	Educational Technology/ Nursing Education	40+ 40	2	1	-	3
N-FORN 320	Introduction to Forensic Nursing and Indian Laws***	20	1	-	-	1
SSCC(I) 325	Self-study/ Co-curricular	40	-	-	-	-
Electives (Any One)						1
ELEC501	CBT	20	1	-	-	1
ELEC502	Personality Development	20	1	-	-	1
ELEC503	Addiction Psychiatry	20	1	-	-	1
ELEC504	Adolescent Health	20	1	-	-	1
ELEC505	Sports Health	20	1	-	-	1
ELEC506	Accreditation & Practice Standards	20	1	-	-	1
ELEC507	Developmental Psychology	20	1	-	-	1
ELEC508	Menopausal Health	20	1	-	-	1
ELEC509	Health Economics	20	1	-	-	1
Open Electives						2

LAN2551	Foreign Language-V French-V	24	2	-	-	2
LAN2552	German-V					
LAN2553	Spanish-V					
LAN2554	Russian-V					
LAN2555	Chinese-V					
LAN2556	Portuguese-V					
LAN2557	Korean-V					
LAN2558	Japanese-V					
LAN2559	Hindi-V					
	TOTAL	844				24

*Theory and Practical exam of Semester V (N-CHN301 & N-MHN305) to be with Child Health Nursing-II (N-CHN301) and Mental Health Nursing-II(N-MHN305) in Semester VI

***Internal exam at college level

SIXTH SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
N-CHN (II)301	Child Health Nursing-(I&II)	40	2	-	-	2
N-MHN (II)305	Mental Health Nursing-(I&II)	40	2	-	-	2
NMLE 330	Nursing Management & Leadership	60	3	-	1	4
N-MIDW (I)/ OBGN 335	Midwifery/ Obstetrics and Gynaecology (OBG) Nursing-I including SBA module*	60+ 40+ 240	3	1	3	7
N-CHN (II)P 301	Child Health Nursing-(I&II) Practical	80	-	-	1	1
N-MHN (II)P 305	Mental Health Nursing-(I&II) Practical	160	-	-	2	2
	Open Electives					2
LAN2651	Foreign Language-VI French-VI	24	2	-	-	2
LAN2652	German-VI					
LAN2653	Spanish-VI					
LAN2654	Russian-VI					
LAN2655	Chinese -VI					
LAN2656	Portuguese-VI					
LAN2657	Korean-VI					
LAN2658	Japanese-VI					
LAN2659	Hindi-VI					
	TOTAL	824				20

*Theory and Practical exam of Semester VI (N-MIDW/ OBGN 335) to be with Midwifery/ Obstetrics and Gynaecology (OBG) Nursing-II including safe delivery app module (N-MIDW / OBGN 410) in Semester VII

SEVENTH SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
N-COMH (II)401	Community Health Nursing-II	100	5	-	-	5
NRST405	Nursing Research & Statistics	40+ 80	2	2	-	4
N-MIDW (II)/ OBGN 410	Midwifery/ Obstetrics and Gynaecology (OBG) Nursing –II including safe delivery app module	60+ 40	3	1	-	4
N-COMH (II)P 401	Community Health Nursing-II Practical	160	-	-	2	2
N-MIDW (II)P / OBGN 410	Midwifery/ Obstetrics and Gynaecology (OBG) Nursing –(I&II) Practical	320	-	-	4	4
Electives (Any One)						1
ELEC701	Scientific Writing Skills	20	1	-	-	1
ELEC702	Lactation Management	20	1	-	-	1
ELEC703	Sexuality & Health	20	1	-	-	1
ELEC704	Stress Management	20	1	-	-	1
ELEC705	Job Readiness & Employability in Health Care Setting	20	1	-	-	1
TOTAL		820				20

EIGHTH SEMESTER (INTERNSHIP)

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
INTE440	Internship (Intensive Practicum/ Residency Posting) <ul style="list-style-type: none"> • Community Health Nursing (4 weeks) • Adult Health Nursing (6 weeks) • Child Health Nursing (4 weeks) • Mental Health Nursing (4 	1056	-	-	12	12

	weeks) • Midwifery (4 weeks)					
	TOTAL	1056				12

Notes:

Credits:

Theory 20 hrs : 1 Credit
 Lab hours 40 hrs : 1 Credit
 Clinical/ Practical 80 hrs : 1 Credit
 ** FL credit as per Amity University norms
 Theory 12 hrs: 1 Credit

1 credit theory – 1 hour per week per semester
 1 credit practical/ lab/ skill lab/ simulation lab – 2 hours per week per semester
 1 credit clinical – 4 hours per week per semester
 1 credit elective course – 1 hour per week per semester

Total Semesters = 8
 (Seven Semesters: One Semester = 20 weeks x 40 hours per week = 800 hours)
 (Eighth Semester – Internship: one semester = 22 weeks x 48 hours per week = 1056 hours)

Total number of course credits including
 Internship, Electives & Foreign Language = 170 (141+12+3+14)

13560 B.Sc. Nursing - Post Basic (Total Credits-160)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
NUR2105	Nursing Foundation	45	4	-	-	4
NUR2106	Nutrition and Dietetics	30+15	3	1 (lab)	-	4
NUR2107	Biochemistry and Biophysics	60	5	-	-	5
NUR2108	Medical Surgical Nursing	90	8	-	-	8
NUR2109	English	60	5	-	-	5
NUR2110	Medical Surgical Nursing (Practical) *	270	-	-	11	11
Open Electives						3
LAN2151	Foreign Language-I	-	3	-	-	3
LAN2152	French-I					
LAN2153	German-I					
LAN2154	Spanish-I					
LAN2155	Russian-I					
LAN2156	Chinese-I					
LAN2157	Portuguese-I					
LAN2158	Korean-I					
LAN2159	Japanese-I					
	Hindi-I **					
TOTAL						40

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
NUR2207	Psychology	60+15	5	1 (lab)	-	6
NUR2208	Maternal Nursing	60	5	-	-	5
NUR2209	Pediatric Nursing	60	5	-	-	5
NUR2210	Microbiology	60+30	5	2	-	7
NUR2211	Maternal Nursing (Practical) *	240	-	-	10	10
NUR2212	Pediatric Nursing (Practical) *	240	-	-	10	10

		Open Electives				3
LAN2251	Foreign Language-II French-II	-	3	-	-	3
LAN2252	German-II					
LAN2253	Spanish-II					
LAN2254	Russian -II					
LAN2255	Chinese-II					
LAN2256	Portuguese- II					
LAN2257	Korean-II					
LAN2258	Japanese-II					
LAN2259	Hindi-II					
TOTAL						46

THIRD SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
NUR2305	Sociology	60	5	-	-	5
NUR2306	Community Health Nursing	60	5	-	-	5
NUR2307	Introduction to Nursing Administration	60+120	5	8	-	13
NUR2308	Community Health Nursing (Practical) *	240	-	-	10	10
		Open Electives				2
LAN2351	Foreign Language-III French-III	-	2	-	-	2
LAN2352	German-III					
LAN2353	Spanish-III					
LAN2354	Russian-III					
LAN2355	Chinese-III					
LAN2356	Portuguese-III					
LAN2357	Korean-III					
LAN2358	Japanese-III					
LAN2359	Hindi-III					
TOTAL						35

FOURTH SEMESTER

Course Code	Course Title	Total Hours	Lectures (L)Hours Per week (credits)	Lab Hours Per Week (credits)	Clinical/ Practical (P) Hours Per Week (credits)	Total Credits
NUR2405	Psychiatric Nursing	60	5	-	-	5
NUR2406	Introduction to Nursing Education	60+75	5	5 (lab)	-	10

NUR2407	Introduction to Nursing Research and Statistics	45	4	-	-	4
NUR2408	Psychiatric Nursing (Practical) *	240	-	-	10	10
NUR2437	Dissertation (Nursing Research)	120	-	-	10	10
	TOTAL					39
	GRAND TOTAL					160

***Practical Examinations to be conducted in the Clinical Areas by External and Internal Examiners after completion of the Clinical Hours in the related area/subject.**

**** In case, if clinical/practical hour cannot be accommodated/completed as prescribed, then the remaining clinical hours has to be planned in Summer Practicum period.**

1. Notes:- Credits:- Theory 12 hours:- 1 credit
Clinical/ Practical 24 hours:- 1 credit
Lab 15 hours:- 1 credit

131449 Master of Science (Nursing) (Total Credits-214)
 (With Specialisation in (1) Medical Surgical Nursing (2) Community Health Nursing (3) Psychiatric Nursing (4) Obstetrical & Gynaecological Nursing and (5) Paediatric Nursing)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	INC Hours	Lectures (L)Hours Per week	Lab Hours Per Week	Practical (P) Hours Per Week	Total Credits
NUR4101	Nursing Education	150	13	-	-	13
NUR4102	Nursing Education Practical	150	-	10	-	10
Medical Surgical Nursing (Specialisation)						
MSN4103	Clinical Specialty-I * Medical Surgical Nursing-I	150	13	-	12 *	13
Community Health Nursing (Specialisation)						
CHN4103	Clinical Specialty-I * Community Health Nursing-I	150	13	-	12 *	13
Psychiatric Nursing (Specialisation)						
PSN4103	Clinical Specialty-I * Psychiatric Nursing-I	150	13	-	12 *	13
Obstetrical & Gynaecological Nursing (Specialisation)						
OGN4103	Clinical Specialty-I * Obstetric & Gynaecological Nursing-I	150	13	-	12 *	13
Paediatric Nursing (Specialisation)						
PDN4103	Clinical Specialty-I * Child Health Nursing-I	150	13	-	12 *	13
Open Electives						
	Foreign Business Language-I	-	3	-	-	3
LAN4151	French-I					
LAN4152	German-I					
LAN4153	Spanish-I					
LAN4154	Russian-I					
LAN4155	Chinese-I					
LAN4156	Portuguese-I					
LAN4157	Korean-I					
LAN4158	Japanese-I					
LAN4159	Hindi-I **					
TOTAL						39

** Hindi as Foreign Language for Foreign National Students

SECOND SEMESTER

Course Code	Course Title	INC Hours	Lectures (L)Hrs Per week	Tutorial (T) Hours Per week/ Clinical Hours Per Week	Practical (P) Hours Per Week	Total Credits
NUR4201	Advance Nursing Practice	150+ 200	13	-	9	22
NUR4202	Nursing Research & Statistics	150+ 100	13	6	-	19
Medical Surgical Nursing (Specialisation)						
MSN4203	Clinical Specialty-II Practical * Medical Surgical Nursing CS-I & II Practical	650	-	-	15(MSN II)	27 (MSN I & II)
Community Health Nursing (Specialisation)						
CHN4203	Clinical Specialty-II Practical * Community Health Nursing CS-I & II Practical	650	-	-	15(CHN II)	27 (CHN I & II)
Psychiatric Nursing (Specialisation)						
PSN4203	Clinical Specialty-II Practical * Psychiatric Nursing CS-I & II Practical	650	-	-	15(Psych. II)	27 (Psychia I & II)
Obstetrical & Gynaecological Nursing (Specialisation)						
OGN4203	Clinical Specialty-II Practical * Obstetric & Gynaecological Nursing CS-I & II Practical	650	-	-	15 (Obs & Gynae II)	27 (Obs & Gynae I & II)
Paediatric Nursing (Specialisation)						
PDN4203	Clinical Specialty-II Practical * Child Health Nursing CS-I & II Practical	650		-	15(Child Health II)	27 (Child health I & II)
Open Electives						
		3		-	-	3
LAN4251	Foreign Business Language-II French-II					
LAN4252	German-II					
LAN4253	Spanish-II					
LAN4254	Russian-II					
LAN4255	Chinese-II					
LAN4256	Portuguese-II					
LAN4257	Korean-II					
LAN4258	Japanese-II					
LAN4259	Hindi-II					
TOTAL						71

THIRD SEMESTER

Course Code	Course Title	INC Hours	Lectures (L) Hours Per week	Tutorial (T) Hours Per week/ Clinical Hours Per Week	Practical (P) Hours Per Week	Total Credits
NUR4337	Nursing Research Project	300	-	20 ***	-	20
Medical Surgical Nursing (Specialisation)						
	Clinical Specialty-III ** (Electives)	150	13	-	-	13
MSN4301	Cardiothoracic & Vascular Nursing					
MSN4302	Critical Care Nursing					
MSN4303	Oncology Nursing					
MSN4304	Neurosciences Nursing					
MSN4305	Nephro Urology Nursing					
MSN4306	Orthopedic Nursing					
MSN4307	Gastro Enterology Nursing					
Community Health Nursing (Specialisation)						
CHN4301	Clinical Specialty-III ** Community Health Nursing	150	13	-	15**	13
Psychiatric Nursing (Specialisation)						
PSN4301	Clinical Specialty-III ** Psychiatric Nursing	150	13	-	15**	13
Obstetrical & Gynaecological Nursing (Specialisation)						
OGN4301	Clinical Specialty-III ** Obstetric & Gynaecological Nursing	150	13	-	15**	13
Paediatric Nursing (Specialisation)						
PDN4301	Clinical Specialty-III ** Child Health Nursing	150	13	-	15**	13
Open Electives						
	Foreign Business Language-III	-	2	-	-	2
LAN4351	French-III					
LAN4352	German-III					
LAN4353	Spanish-III					
LAN4354	Russian-III					
LAN4355	Chinese-III					
LAN4356	Portuguese-III					
LAN4357	Korean-III					
LAN4358	Japanese-III					
LAN4359	Hindi-III					
TOTAL						35

FOURTH SEMESTER

Course Code	Course Title	INC Hours	Lectures (L) Hours Per week	Tutorial (T) Hours Per week/ Clinical Hours Per Week	Practical (P) Hours Per Week	Total Credits
NUR4401	Nursing Management	150+ 150	13	-	6	19
NUR4437	Nursing Research Dissertation ***		-	10 ***	-	10
Medical Surgical Nursing (Specialisation)						
	Clinical Specialty-IV Practical ** (Electives)	950	-	-	25**	40 (Clinical Specialit y III & IV)
MSN4402	Cardiothoracic & Vascular Nursing CS-III & IV Practical					
MSN4403	Critical Care Nursing CS-III & IV Practical					
MSN4404	Oncology Nursing CS-III & IV Practical					
MSN4405	Neurosciences Nursing CS- III & IV Practical					
MSN4406	Nephro-Urology Nursing CS-III & IV Practical					
MSN4407	Orthopedic Nursing CS-III & IV Practical					
MSN4408	Gastro Enterology Nursing CS-III & IV Practical					
Community Health Nursing (Specialisation)						
CHN4402	Clinical Specialty-IV Practical** Community Health Nursing CS-III & IV Practical	950	-	-	25**	40 (Clinical Specialit y III & IV)
Psychiatric Nursing (Specialisation)						
PSN4402	Clinical Specialty-IV Practical** Psychiatric Nursing CS-III & IV Practical	950	-		25**	40 (Clinical Specialit y III & IV)
Obstetrical & Gynaecological Nursing (Specialisation)						
OGN4402	Clinical Specialty-IV Practical** Obstetric & Gynaecological Nursing CS-III & IV	950	-	-	25**	40 (Clinical Specialit y III &

	Practical					IV)
	Paediatric Nursing (Specialisation)					
PDN4402	Clinical Specialty-IV Practical** Child Health Nursing CS-III & IV Practical	950	-	-	25**	40 (Clinical Specialit y III & IV)
	TOTAL					69

* Clinical Credits of Semester-I (Clinical specialty - I) to be credited with Clinical specialty- II in Second Semester in Clinical Specialty-II (practical).

** Clinical Credits of Semester-III (Clinical specialty-III) to be credited with Clinical specialty-IV in Fourth Semester in Clinical Specialty-IV (practical).

*** Credits of Semester-III (Nursing Research Project) to be credited with Nursing Research Dissertation in Semester-IV. The End semester examination for this course to be held in IV Semester

Notes:

Credits:

Theory 12 hrs :	1 Credit
Clinical/ Practical 24 hrs :	1 Credit
Lab hours 15 hrs :	1 Credit

1. Practical Examinations to be conducted in the Clinical Areas by External and Internal Examiners after completion of the Clinical Hours in the related area/subject.
2. Students have to conduct Summer Project at the end of second semester and submit and present the report at the commencement of Third semester. The evaluation of the summer project will be added in Clinical Specialty III and IV Practical paper.

AMITY INSTITUTE OF PHARMACY

FLEXILEARN

-Freedom to design your degree



PROGRAMME STRUCTURES

2021

AMITY UNIVERSITY HARYANA

GURUGRAM

13133 Bachelor of Pharmacy (Total Credits-234)

Programme Structure-2021

FIRST SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP101T	Human Anatomy and Physiology-I	3	1	-	4
BP102T	Pharmaceutical Analysis	3	1	-	4
BP103T	Pharmaceutics-I	3	1	-	4
BP104T	Pharmaceutical Inorganic Chemistry	3	1	-	4
BP105T	Communication Skills	2	-	-	2
BP107P	Human Anatomy and Physiology Practical-I	-	-	4	2
BP108P	Pharmaceutical Analysis Practical	-	-	4	2
BP109P	Pharmaceutics-I Practical	-	-	4	2
BP110P	Pharmaceutical Inorganic Chemistry Practical	-	-	4	2
BP111P	Communication Skills Practical	-	-	2	1
Electives (Any one/one group)					3
BP106RMT	Remedial Mathematics	3	-	-	3
BP106RBT	Remedial Biology	2	-	-	2
BP112RBP	Remedial Biology Practical	-	-	2	1
Open Electives					1
BEH2151	Understanding Self for Effectiveness	1	-	-	1
TOTAL					31

SECOND SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP201T	Human Anatomy and Physiology-II	3	1	-	4
BP202T	Pharmaceutical Organic Chemistry-I	3	1	-	4
BP203T	Biochemistry	3	1	-	4
BP204T	Pathophysiology	3	1	-	4

BP205T	Computer Applications in Pharmacy	3	-	-	3
BP206T	Environmental Sciences	3	-	-	3
BP207P	Human Anatomy and Physiology Practical-II	-	-	4	2
BP208P	Pharmaceutical Organic Chemistry Practical-I	-	-	4	2
BP209P	Biochemistry Practical	-	-	4	2
BP210P	Computer Applications in Pharmacy Practical	-	-	2	1
Open Electives					1
BEH2251	Problem Solving & Creative Thinking	1	-	-	1
TOTAL					30

THIRD SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP301T	Pharmaceutical Organic Chemistry-II	3	1	-	4
BP302T	Physical Pharmaceutics-I	3	1	-	4
BP303T	Pharmaceutical Microbiology	3	1	-	4
BP304T	Pharmaceutical Engineering	3	1	-	4
BP305P	Pharmaceutical Organic Chemistry Practical-II	-	-	4	2
BP306P	Physical Pharmaceutics Practical-I	-	-	4	2
BP307P	Pharmaceutical Microbiology Practical	-	-	4	2
BP308P	Pharmaceutical Engineering Practical	-	-	4	2
Open Electives					4
BEH2351	Group Dynamics & Team Building	1	-	-	1
LAN2151	Foreign Language-I French-I	3	-	-	3
LAN2152	German-I				
LAN2153	Spanish-I				
LAN2154	Russian-I				
LAN2155	Chinese-I				
LAN2156	Portuguese-I				
LAN2157	Korean-I				
LAN2158	Japanese-I				
LAN2159	Hindi-I **				
TOTAL					28

** Hindi as Foreign Language for Foreign National Students

FOURTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP401T	Pharmaceutical Organic Chemistry-III	3	1	-	4
BP402T	Medicinal Chemistry-I	3	1	-	4
BP403T	Physical Pharmaceutics-II	3	1	-	4
BP404T	Pharmacology-I	3	1	-	4
BP405T	Pharmacognosy and Phytochemistry-I	3	1	-	4
BP406P	Medicinal Chemistry Practical-I	-	-	4	2
BP407P	Physical Pharmaceutics Practical-II	-	-	4	2
BP408P	Pharmacology Practical-I	-	-	4	2
BP409P	Pharmacognosy and Phytochemistry Practical-I	-	-	4	2
Open Electives					5
CSS2451	Corporate Communication	1	-	-	1
BEH2451	Stress & Coping Strategies	1	-	-	1
LAN2251	Foreign Language-II	3			3
LAN2252	French-II				
LAN2253	German-II				
LAN2254	Spanish-II				
LAN2255	Russian-II				
LAN2256	Chinese-II				
LAN2257	Portuguese-II				
LAN2258	Korean-II				
LAN2259	Japanese-II				
	Hindi-II				
TOTAL					33

FIFTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP501T	Medicinal Chemistry-II	3	1	-	4
BP502T	Industrial Pharmacy-I	3	1	-	4
BP503T	Pharmacology-II	3	1	-	4
BP504T	Pharmacognosy and Phytochemistry-II	3	1	-	4
BP505T	Pharmaceutical Jurisprudence	3	1	-	4
BP506P	Industrial Pharmacy Practical-I	-	-	4	2
BP507P	Pharmacology Practical-II	-	-	4	2
BP508P	Pharmacognosy and Phytochemistry Practical-II	-	-	4	2

Open Electives					4
CSS2551	Employability Skills	1	-	-	1
BEH2551	Individual, Society & Nations	1	-	-	1
LAN2351	Foreign Language-III French-III	2	-	-	2
LAN2352	German-III				
LAN2353	Spanish -III				
LAN2354	Russian-III				
LAN2355	Chinese-III				
LAN2356	Portuguese-III				
LAN2357	Korean-III				
LAN2358	Japanese-III				
LAN2359	Hindi-III				
TOTAL					30

SIXTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP601T	Medicinal Chemistry-III	3	1	-	4
BP602T	Pharmacology-III	3	1	-	4
BP603T	Herbal Drug Technology	3	1	-	4
BP604T	Biopharmaceutics and Pharmacokinetics	3	1	-	4
BP605T	Pharmaceutical Biotechnology	3	1	-	4
BP606T	Quality Assurance	3	1	-	4
BP607P	Medicinal Chemistry Practical-III	-	-	4	2
BP608P	Pharmacology Practical-III	-	-	4	2
BP609P	Herbal Drug Technology Practical	-	-	4	2
Open Electives					4
CSS2651	Workplace Communication	1	-	-	1
BEH2651	Interpersonal Communication and Relationship Management	1	-	-	1
LAN2451	Foreign Language-IV French-IV	2	-	-	2
LAN2452	German-IV				
LAN2453	Spanish-IV				
LAN2454	Russian-IV				
LAN2455	Chinese-IV				
LAN2456	Portuguese-IV				
LAN2457	Korean-IV				
LAN2458	Japanese-IV				
LAN2459	Hindi-IV				
TOTAL					34

SEVENTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP701T	Instrumental Methods of Analysis	3	1	-	4
BP702T	Industrial Pharmacy-II	3	1	-	4
BP703T	Pharmacy Practice	3	1	-	4
BP704T	Novel Drug Delivery System	3	1	-	4
BP705P	Instrumental Methods of Analysis Practical	-	-	4	2
BP706PS	Practice School	-	-	12	6
Open Electives					2
LAN2551	Foreign Language-V French-V	2	-	-	2
LAN2552	German-V				
LAN2553	Spanish-V				
LAN2554	Russian-V				
LAN2555	Chinese-V				
LAN2556	Portuguese-V				
LAN2557	Korean-V				
LAN2558	Japanese-V				
LAN2559	Hindi-V				
TOTAL					26

EIGHTH SEMESTER

Course Code	Course Title	Lecture(L) Hours Per Week	Tutorial (T) Hours Per week	Practical (P) Hours Per Week	Total Credits
BP801T	Biostatistics and Research Methodology	3	1	-	4
BP802T	Social and Preventive Pharmacy	3	1	-	4
BP813PW	Project Work	-	-	12	6
Electives (Any Two)					(4+4) 8
BP803ET	Pharma Marketing Management	3	1	-	4
BP804ET	Pharmaceutical Regulatory Science	3	1	-	4
BP805ET	Pharmacovigilance	3	1	-	4
BP806ET	Quality Control and Standardization of Herbals	3	1	-	4
BP807ET	Computer Aided Drug Design	3	1	-	4
BP808ET	Cell and Molecular Biology	3	1	-	4
BP809ET	Cosmetic Science	3	1	-	4
BP810ET	Experimental Pharmacology	3	1	-	4
BP811ET	Advanced Instrumentation Techniques	3	1	-	4
BP812ET	Dietary Supplements and Nutraceuticals	3	1	-	4
TOTAL					22