



Mangalayatan University

Program Course Structure Indexing

S. No.	Program Name	Department/Institute	Pdf file Page No.
1	B.Pharm	Department of Pharmacy	Please see page number 1-9
2	B.Tech ME & M.Tech.	Department of Mechanical Engineering	Please see page number 10-20
3	B.Ed, B.Sc./B.A. B.Ed; B.El. Ed; M.Ed.	Institute of Education and Research	Please see page number 21-63
4	M.B.A. & B.B.A	Institute of Business and Management	Please see page number 64-68
5	B.Sc./B.Sc. Hons & M.Sc. (Physics, Mathematics and Chemistry)	Institute of Applied Sciences	Please see page number 69-75
6	B.Tech. ECE & M.Tech.	Department of Electronics and Electrical Engineering	Please see page number 76-91
7	B.F.A. (Visual & Performing Arts) & M.F.A.	Department of Visual and Performing Arts	Please see page number 92-105
8	B.H.M & B.Sc. Hotel Management	Department of Hotel Management	Please see page number 106-120
9	B.LIS. & M.LIS.	Department of Library Sciences	Please see page number 121-126
10	B.A. Mass Comm & M.A. Mass Comm	Department of Journalism and Mass Communication	Please see page number 127-136
11	B.C.A.	Department of Computer Applications	Please see page number 137-143
12	B.Com. (Hons.)	Department of Commerce	Please see page number 144-148
13	B.Sc. B.T.; M.Sc. B.T.; B.Tech B.T. & M.Tech. B.T.	Department of Biotechnology and Life Sciences	Please see page number 149-153
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15	B.Tech. Civil	Department of Civil Engineering	Please see page number 163-172
16	B.A./B.A. (Hons.).	Department of Arts	Please see page number 173
17	B.A. LL.B; LL.B. & LL.M.	Institute of Legal Studies and Research	Please see page number 174-201
18	B.Sc. Ag	Department of Agriculture	Please see page number 202-213



Mangalayatan University

Beswan, Aligarh - 202145

Curriculum (Choice Based Credit System)

Bachelor of Pharmacy (B. Pharm.)

Department of Pharmacy

Institute of Biomedical Education & Research

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2020-21

Total Program Credits for B. Pharm.

S. No.	Semester	Credits
1	I	27/29*/30 [#]
2	II	29
3	III	24
4	IV	28
5	V	26
6	VI	30
7	VII	24
8	VIII	22
9	Extracurricular & Co-curricular activities	01 ^{\$}
	Total	209/211*/212[#]

^{\$} The credit points assigned for extracurricular & / or co-curricular activities shall be given by the principals of the colleges and the same shall be submitted to the university. The criteria to acquire credit points shall be defined by the colleges from time to time

* Applicable only for the students who have studied Physics / Chemistry/Zoology/Botany at HSC & appearing for Remedial Mathematics course

Applicable only for the students who have studied mathematics / Physics / Chemistry at HSC & appearing for Remedial Biology course.

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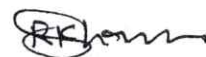
R. K. Sharma

Course Structure
Semester-I

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-101 T	Human Anatomy & Physiology I	DCC	3	1	0	4	100	B. Pharm.
2	BP-102 T	Pharmaceutical Analysis-I	DCC	3	1	0	4	100	B. Pharm.
3	BP-103 T	Pharmaceutics-I	DCC	3	1	0	4	100	B. Pharm.
4	BP-104 T	Pharmaceutical Inorganic Chemistry	DCC	3	1	0	4	100	B. Pharm.
5	BP-105 T	Communication Skills*	NUC	2	0	0	2	50	B. Pharm.
6	BP-106 RMT/RBT	Remedial Mathematics* / Remedial Biology*	NUC	2	0	0	2	50	B. Pharm.
7	BP-107 P	Human Anatomy & Physiology I Lab.	DCC	0	0	4	2	50	B. Pharm.
8	BP-108 P	Pharmaceutical Analysis-I Lab.	DCC	0	0	4	2	50	B. Pharm.
9	BP-109 P	Pharmaceutics-I Lab.	DCC	0	0	4	2	50	B. Pharm.
10	BP-110 P	Pharmaceutical Inorganic Chemistry Lab.	DCC	0	0	4	2	50	B. Pharm.
11	BP-111 P	Communication skills Lab.*	NUC	0	0	2	1	25	B. Pharm.
12	BP-112RBP	Remedial Biology Lab.*	NUC	0	0	2	1	25	B. Pharm.
TOTAL				16	4	20 */18	30*/29	750	

* Non University Examination


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Semester-II

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-201 T	Human Anatomy & Physiology II	DCC	3	1	0	4	100	B. Pharm.
2	BP-202 T	Pharmaceutical Organic Chemistry I	DCC	3	1	0	4	100	B. Pharm.
3	BP-203 T	Biochemistry	DCC	3	1	0	4	100	B. Pharm.
4	BP-204 T	Pathophysiology	DCC	3	1	0	4	100	B. Pharm.
5	BP-205 T	Computer Applications in Pharmacy*	NUC	3	0	0	3	75	B. Pharm.
6	BP-206 T	Environmental Sciences*	NUC	3	0	0	3	75	B. Pharm.
7	BP-207 P	Human Anatomy & Physiology II Lab.	DCC	0	0	4	2	50	B. Pharm.
8	BP-208 P	Pharmaceutical Organic Chemistry I Lab.	DCC	0	0	4	2	50	B. Pharm.
9	BP-209 P	Biochemistry Lab.	DCC	0	0	4	2	50	B. Pharm.
10	BP-210 P	Computer Applications in Pharmacy* Lab.	NUC	0	0	2	1	25	B. Pharm.
TOTAL				18	4	14	29	725	

* Non University Examination


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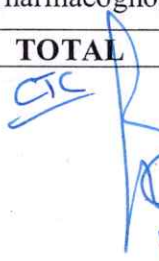
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Semester-III

S · N o .	Subject Code	Subjects	Subject Area	Period s			Cre dits	Marks	Common to Programs
				L	T	P			
1	BP-301 T	Pharmaceutical Organic Chemistry II	DCC	3	1	0	4	100	B. Pharm.
2	BP-302 T	Physical Pharmaceutics I	DCC	3	1	0	4	100	B. Pharm.
3	BP-303 T	Pharmaceutical Microbiology	DCC	3	1	0	4	100	B. Pharm.
4	BP-304 T	Pharmaceutical Engineering	DCC	3	1	0	4	100	B. Pharm.
5	BP-305 P	Pharmaceutical Organic Chemistry II Lab.	DCC	0	0	4	2	50	B. Pharm.
6	BP-306 P	Physical Pharmaceutics I	DCC	0	0	4	2	50	B. Pharm.
7	BP-307 P	Pharmaceutical Microbiology Lab.	DCC	0	0	4	2	50	B. Pharm.
8	BP-308 P	Pharmaceutical Engineering Lab.	DCC	0	0	4	2	50	B. Pharm.
TOTAL				12	4	16	24	600	

Semester-IV

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-401 T	Pharmaceutical Organic Chemistry- III	DCC	3	1	0	4	100	B. Pharm.
2	BP-402 T	Medicinal Chemistry- I	DCC	3	1	0	4	100	B. Pharm.
3	BP-403 T	Physical Pharmaceutics- II	DCC	3	1	0	4	100	B. Pharm.
4	BP-404 T	Pharmacology- I	DCC	3	1	0	4	100	B. Pharm.
5	BP-405 P	Pharmacognosy- I	DUC	3	1	0	4	100	B. Pharm.
6	BP-406 P	Medicinal Chemistry- I	DCC	0	0	4	2	50	B. Pharm.
7	BP-407 P	Physical Pharmaceutics- II	DCC	0	0	4	2	50	B. Pharm.
8	BP-408 P	Pharmacology- I	DCC	0	0	4	2	50	B. Pharm.
9	BP-409 P	Pharmacognosy- I	DCC			4	2	50	B. Pharm.
TOTAL				15	5	16	28	700	


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Semester V

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-501 T	Medicinal Chemistry II	DCC	3	1	0	4	100	B. Pharm.
2	BP-502 T	Industrial Pharmacy-I	DCC	3	1	0	4	100	B. Pharm.
3	BP-503 T	Pharmacology- II	DCC	3	1	0	4	100	B. Pharm.
4	BP-504 T	Pharmacognosy and Phytochemistry II	DCC	3	1	0	4	100	B. Pharm.
5	BP-505 T	Pharmaceutical Jurisprudence	DCC	3	1	0	4	100	B. Pharm.
6	BP-506 P	Industrial Pharmacy-I	DCC	0	0	4	2	50	B. Pharm.
7	BP-507 P	Pharmacology- II	DCC	0	0	4	2	50	B. Pharm.
8	BP-508 P	Pharmacognosy and Phytochemistry II	DCC	0	0	4	2	50	B. Pharm.
TOTAL				15	5	12	26	650	

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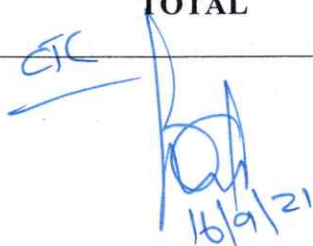
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Semester VI

S.No.	Subject Code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-601 T	Medicinal Chemistry III	DCC	3	1	0	4	100	B. Pharm.
2	BP-602 T	Pharmacology III	DCC	3	1	0	4	100	B. Pharm.
3	BP-603 T	Herbal Drug Technology	DCC	3	1	0	4	100	B. Pharm.
4	BP-604 T	Biopharmaceutics and Pharmacokinetics	DCC	3	1	0	4	100	B. Pharm.
5	BP-605 T	Pharmaceutical Biotechnology	DCC	3	1	0	4	100	B. Pharm.
6	BP-606 T	Quality Assurance	DCC	3	1	0	4	100	B. Pharm.
7	BP-607 P	Medicinal Chemistry III	DCC	0	0	4	2	50	B. Pharm.
8	BP-608 P	Pharmacology III	DCC	0	0	4	2	50	B. Pharm.
9	BP-609 P	Herbal Drug Technology	DCC	0	0	4	2	50	B. Pharm.
TOTAL				18	6	12	30	750	

Semester- VII

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-701 T	Instrumental Methods of Analysis	DCC	3	1	0	4	100	B. Pharm.
2	BP-702 T	Industrial Pharmacy	DCC	3	1	0	4	100	B. Pharm.
3	BP-703 T	Pharmacy Practice	DCC	3	1	0	4	100	B. Pharm.
4	BP-704 T	Novel Drug Delivery System	DCC	3	1	0	4	100	B. Pharm.
5	BP-705 P	Instrumental Methods of Analysis	DCC	0	0	4	2	50	B. Pharm.
6	BP-706 PS	Practice School*	DCC	0	0	12	6	150	B. Pharm.
TOTAL				12	4	16	24	60	



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Semester VIII

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BP-801 T	Biostatistics and Research Methodology	DCC	6	2	0	8	100	B. Pharm.
2	BP-802 T	Social and Preventive Pharmacy	DCC	6	2	0	8	100	B. Pharm.
3	BP-803 ET	Pharmaceutical Marketing	DEC	6	2	0	8	200	B. Pharm.
4	BP-804 ET	Pharmaceutical Regulatory Science	DEC	6	2	0	8	200	B. Pharm.
5	BP-805 ET	Pharmacovigilance	DEC	6	2	0	8	200	B. Pharm.
6	BP-806 ET	Quality Control and Standardization of Herbals	DEC	6	2	0	8	200	B. Pharm.
7	BP-807 ET	Computer Aided Drug Design	DEC	6	2	0	8	200	B. Pharm.
8	BP-808 ET	Cell and Molecular Biology	DEC	6	2	0	8	200	B. Pharm.
9	BP-809 ET	Cosmetic Science	DEC	6	2	0	8	200	B. Pharm.
10	BP-810 ET	Experimental Pharmacology	DEC	6	2	0	8	200	B. Pharm.
11	BP-811 ET	Advanced Instrumentation Techniques	DEC	6	2	0	8	200	B. Pharm.
12	BP812PW	Project Work	DCC	0	0	12	6	150	B. Pharm.
TOTAL				66	22	12	94	2150	

BSC- Basic Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course , AECC- Ability Enhancement Compulsory Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

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DCC - Departmental Core Course

AECC - Ability Enhancement Compulsory

Course GE - Generic Elective*

OE - Open Elective*

SEC - Skill Enhancement

Course* DSE - Discipline

Specific Elective*

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Curriculum

(Choice Based Credit System)

For

**Bachelor of Technology
(Mechanical Engineering)**

**Department of Mechanical Engineering
Institute of Engineering and Technology**

ETC



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2019-23

Total Program Credits for B. Tech. (Mechanical Engineering)

S.N.	Semester	Credits
1	I	21
2	II	18
3	III	21
4	IV	21
5	V	22
6	VI	22
7	VII	19
8	VIII	19
Total		163

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.

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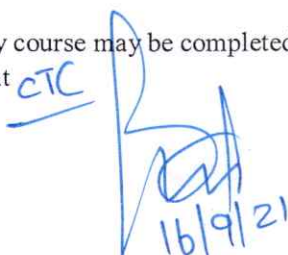
Course Structure

Semester I

Course Code	Course Title	Course	Periods			Credit	Marks	Common to Programs
		Area	L	T	P			
MAL-1101	Applied Mathematics-I	BSC	3	1	0	4	100	All
CHL-1101/PHL-1101	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	All
ECL-1101/ECL-1102	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	100	All
CSL-1101	Basics of Computer and Programming	ESC	3	0	0	3	100	All
AGL-1100	Environmental Studies	BSC	2	0	0	2	100	All
ENL-1100	Communicative English-I	HMC	2	0	0	2	100	All
CHP-1101/PHP-1101	Applied Physics Lab/Applied Chemistry Lab	BSC	0	0	2	1	100	All
ECP-1101/ECP-1102	Electrical Engineering Lab/ Electronics Engineering Lab	ESC	0	0	2	1	100	All
CSP-1101	Basics of Computer and Programming Lab	ESC	0	0	2	1	100	All
MEP-1101/MEP-1102	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	All
TOTAL			16	1	8	21	1000	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department


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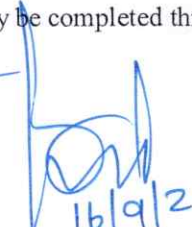
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Semester II

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
MAL-1201	Applied Mathematics-II	BSC	3	1	0	4	100	All
CHL-1201/PHL-1201	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	All
ECL-1201/ECL-1202	Electrical Engineering/Electronics Engineering	ESC	3	0	0	3	100	All
MEL-1201	Elements of Mechanical Engineering	ESC	3	0	0	3	100	All
ENL-1200	Communicative English-II	HMC	2	0	0	2	100	All
CHP-1201/PHP-1201	Applied Chemistry Lab/Applied Physics Lab	BSC	0	0	2	1	100	All
ECP-1201/ECP-1202	Electronics Engineering Lab/Electrical Engineering Lab	ESC	0	0	2	1	100	All
MEP-1201/MEP-1202	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	All
TOTAL			14	1	6	18	800	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

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Semester III

Course Code	Course Name	Course Area	PERIODS			Credit	Marks	Common to programs
			L	T	P			
MAL-2101	Applied Mathematics-III	BSC	3	1	0	4	100	All
MEL-2101	Thermodynamics	DCC	3	1	0	4	100	All
MEL-2102	Mechanical Measurement and Metrology	DCC	3	1	0	4	100	All
MEL-2103	Production Process-I	DCC	3	0	0	3	100	All
MEL-2104	Material Science	DCC	3	0	0	3	100	All
	Value added Course Offered by University	VAC	2	0	0	0	100	All
MEP-2101	Thermodynamics Laboratory	DCC	0	0	2	1	100	All
MEP-2102	Mechanical Measurement and Metrology Laboratory	DCC	0	0	2	1	100	All
MEP-2103	Production Process Laboratory	DCC	0	0	2	1	100	All
TOTAL			17	3	6	21	900	

Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course


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Semester IV

Course Code	Course Area	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
	Engineering Science Course	ESC	3	0	0	3	100	All
MEL-2201	Fluid Mechanics	DCC	3	1	0	4	100	All
MEL-2202	Kinematics of Machines	DCC	3	1	0	4	100	All
MEL-2203	Strength of Material	DCC	3	1	0	4	100	All
MEL-2204	Production Process – II	DCC	3	1	0	4	100	All
	Value added Course Offered by University	VAC	2	0	0	0	100	All
MEP-2201	Fluid Mechanics Laboratory	DCC	0	0	2	1	100	All
MEP-2202	Kinematics of Machine Laboratory	DCC	0	0	2	1	100	All
MEP-2203	Strength of Material Laboratory	DCC	0	0	2	1	100	All
		TOTAL	17	3	6	21	900	

Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course, HMC-Humanity & Management Course.

Engineering Science Courses

S.No.	Course Code	Course
1	CSL-2231	Object Oriented Programming using C++
2	MEL-2231	Material Science
3	ECL-2231	Sensor & Instrumentation
4	ECL-2232	Energy Science and Engineering
5		Any other offered by any department

Note:



1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.

2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester

Semester V

Course Code	Course Area	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
MEL-3101	Fluid Machinery	DCC	3	1	0	4	100	All
MEL-3102	Dynamics of Machines	DCC	3	1	0	4	100	All
MEL-3103	Machine Design-I	DCC	3	1	0	4	100	All
	Departmental Elective Course-1	DEC	3	0	0	3	100	All
	Departmental Elective Course-2	DEC	3	0	0	3	100	All
	Value added Course Offered by University	VAC	2	0	0	0	100	All
MEP-3101	Fluid Machinery lab	DCC	0	0	2	1	100	All
MEP-3102	Dynamics of Machines Lab	DCC	0	0	2	1	100	All
MEP-3103	Machine Drawing Lab	DCC	0	0	2	1	100	All
MET-3101	Internship Assessment	DCC	0	0	2	1	100	All
TOTAL			17	3	8	22	1000	

S.No.	Course Code	Course
1	MEL-3104	Power Plant Engineering
2	MEL-3105	Production System Simulation
3	MEL-3106	Mechanics of Solids
4	MEL-3107	Industrial Data Analytics
5	MEL-3108	Additive Manufacturing
6	MEL-3109	Composite Materials



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Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.

2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester

Semester VI

Course Code	Course Area	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
MEL-3201	Internal Combustion Engine	DCC	3	1	0	4	100	All
MEL-3202	Heat Transfer	DCC	3	1	0	4	100	All
MEL-3203	Machine Design –II	DEC	3	1	0	4	100	All
	Departmental Elective Course-3	DEC	3	1	0	3	100	All
	Open Elective Course-1	OEC	3	0	0	4	100	All
	Value added Course Offered by University	VAC	2	0	0	0	100	All
MEP-3201	Internal Combustion Engine Lab	DCC	0	0	2	1	100	All
MEP-3202	Heat Transfer lab	DCC	0	0	2	1	100	All
MEP-3203	Automation Lab	DCC	0	0	2	1	100	All
TOTAL			17	4	6	22	900	

S.No.	Course Code	Course
1	MEL-3204	Manufacturing Planning and Control
2	MEL-3205	Production System Simulation
3	MEL-3206	System Modeling & Simulation

etc

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Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.

2. Students have to go for Industrial Training from 4 weeks to 6 weeks during the vacation between VI and VII semester . The training will be evaluated with the VII Semester exam.

Semester VII

Course Code	Course Area	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
	Humanities and Management Course	HMC	3	0	0	3	100	All
MEL-4101	Refrigeration & Air conditioning	DCC	3	0	0	3	100	All
	Departmental Elective Course-4	DEC	3	0	0	3	100	All
	Open Elective Course-2	OEC	3	1	0	4	100	All
MEP-4101	Refrigeration & Air conditioning Laboratory	DCC	0	0	2	1	100	All
MET-4101	Internship Assessment	DCC	0	0	2	1	100	
MED-4101	Project Part-I	DCC	0	0	8	4	200	All
TOTAL			12	1	12	19	800	

S.No.	Course Code	Course
1	MEL-4102	Automobile Engineering
2	MEL-4103	Finite Element Method
3	MEL-4104	Mechanical Vibrations
		Any other offered by any department

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Semester VIII


Course Code	Course Area	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
MEL-4201	CAD/CAM	DCC	3	0	0	3	100	All
	Departmental Elective Course-5	DEC	3	0	0	3	100	All
	Open Elective Course-3	OEC	3	1	0	4	100	All
	Project Part-II	DCC	0	0	18	9	500	All
TOTAL			9	1	18	19	800	
		Periods/Week	27					
		Semester Credit	18					

S.No.	Course Code	Course
1	MEL-4202	Computational Fluid Dynamics
2	MEL-4203	Supply Chain Management
3	MEL-4204	Quality Control

Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course

Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

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Th- Theory, Lab-Laboratory, BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, GC -General Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.

2. Students have to go for Industrial Training from 4 weeks to 6 weeks during the vacation between VI and VII semester . The training will be evaluated with the VII Semester exam.

S.No.	Code	Course
1	MGL-4101	Engineering Economics and Management
2	MGL-4102	Organizational Behaviors
3	MGL-4103	Research Methodology

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Beswan, Aligarh

Mangalayatan University

Beswan, Aligarh-202145

Curriculum

For

Bachelor of Education (Innovative)

(B.Ed. Innovative)

Institute of Education and Research

Faculty of Humanities

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2020-2021



Total Program Credits for B.Ed.(Innovative)

S.No.	Semester	Credits
1	I	27
2	II	30
3	III	18
	Total	75

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Course Structure

Semester I

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-1131	Philosophical and Sociological Foundations of Education	DCC	4	0	0	4	100
2	EDL-1132	Psychological Dimensions of Education	DCC	4	0	0	4	100
3	EDL-1133	Educational Management	DCC	4	0	0	4	100
4	EDL-1134	Contemporary Issues of Indian Education	DCC	4	0	0	4	100
5		Elective	DEC	3	0	0	3	100
6	EDL-1138	Gender, School and Society	DCC	2	0	0	2	50
7	EDP-1131	ICT for Teachers	DCC	1	0	2	2	50
8	EDP-1132	Psychology Experiments	DCC	0	0	2	1	50
9	EDP-1133	Skill Focussed Teaching	DCC	0	0	4	2	50
10	EDP-1134	Working with Community and Social Service	DCC	0	0	2	1	50
Total				22	0	10	27	750
Periods/Week				32				
Semester Credit				27				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Choose any one of the following	
EDL-1135	Method of Teaching- Mathematics
EDL-1136	Method of Teaching- Biology
EDL-1137	Method of Teaching- Social Studies


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 Beswan, Aligarh

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Course Structure

Semester II

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-1231	Educational Technology and Information Science	DCC	4	0	0	4	100
2	EDL-1232	Educational Measurement and Evaluation	DCC	4	0	0	4	100
3	EDL-1233	Environmental Education	DCC	2	0	0	2	100
4	EDL-1234	Action Research	DCC	2	0	0	2	100
5	EDL-1235	Language Across the Curriculum	DCC	2	0	0	2	50
6		Elective-I	DEC	3	0	0	3	100
7		Elective-II	DEC	3	0	0	3	100
8	EDP-1231	Communication Skills	DCC	1	0	2	2	50
9	EDP-1232	Teaching Practicals	DCC	0	0	4	2	50
10	EDP-1233	Teaching in Schools	DCC	0	0	4	2	100
11	EDP-1234	Foundations of Physical Education	DCC	1	0	2	2	50
12	EDP-1235	Designing Assessment Tools	DCC	0	0	4	2	50
Total				22	0	16	30	950
Periods/Week				38				
Semester Credit				30				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I Choose any one of the following	
EDL-1236	Educational and Vocational Guidance
EDL-1237	Inclusive Education
EDL-1238	Human Rights, Non-Violence and Peace Education

Elective-II Choose any one of the following	
EDL-1251	Method of Teaching- Physics
EDL-1252	Method of Teaching- Chemistry
EDL-1253	Method of Teaching- Commerce
EDL-1254	Method of Teaching- English
EDL-1255	Method of Teaching- Hindi
EDL-1256	Method of Teaching- Sanskrit
EDL-1257	Method of Teaching- Art Education
EDL-1258	Method of Teaching- Computer Science
EDL-1259	Method of Teaching- Home Science

Course Structure

Semester III

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDP-2131	Project Work	DCC	0	0	6	3	100
2	EDP-2132	Intensive Job Training/ Internship	DCC	0	0	30	15	200
Total				0	0	36	18	300
Periods/Week				36				
Semester Credit				18				

DCC: Departmental Core Course.

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Curriculum

For

Bachelor of Elementary Education

(B.El.Ed.)

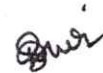
Institute of Education and Research

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2020-2021




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Beswan, Aligarh

Total Program Credits for B.El.Ed.

S.No.	Semester	Credits
1	I	26
2	II	26
3	III	26
4	IV	24
5	V	25
6	VI	27
7	VII	20
8	VIII	26
	Total	200

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Beswan, Aligarh

Course Structure

Semester I

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-1111	Child Growth and Development	DCC	4	0	0	4	100
2	EDL-1112	Contemporary Indian Society and Elementary Education	DCC	4	0	0	4	100
3	EDL-1113	Basic Sciences	DCC	4	0	0	4	100
4	EDL-1114	Basic Mathematics	DCC	4	0	0	4	100
5	EDL-1115	Basic Social Sciences	DCC	4	0	0	4	100
6	EDL-1116	Basic Hindi	DCC	3	0	0	3	100
7	EDL-1117	Basic English	DCC	3	0	0	3	100
Total				26	0	0	26	700
Periods/Week				26				
Semester Credit				26				

DCC: Departmental Core Course

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 Mangalayatan University
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Course Structure

Semester II

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1211	Principles of Teaching and learning	DCC	4	0	0	4	100
2	EDL-1212	Philosophical and Sociological Bases of Education	DCC	4	0	0	4	100
3		Elective Course-I	DEC	4	0	0	4	100
4		Elective Course-II	DEC	4	0	0	4	100
5		Elective Course-III	DEC	4	0	0	4	100
6	EDP-1211	Basic Course in Computer	DCC	1	0	2	2	50
7	EDP-1212	Yoga in School Education	DCC	0	0	2	1	50
8	EDP-1213	Socially Useful and Productive Work-I	DCC	0	0	2	1	50
9		Practical Elective-I	DEC	0	0	2	1	100
10		Practical Elective-II	DEC	0	0	2	1	100
Total				21	0	10	26	850
				Periods/Week	31			
				Semester Credit	26			

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-1203	Foundation of Mathematics
EDL-1215	History of English Literature-I
EDL-1216	Hindi Bhasha ka Vikasatmak Parichay
EDL-1213	Non-Chordate Zoology-I

Elective-II: Choose one from the following	
PHL-1203	Foundation of Physics
EDL-1217	History of India-I
EDL-1214	Algae and Microbiology

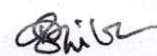
Elective-III: Choose one from the following	
CHL-1203	Foundation of Chemistry
EDL-1218	Introduction to Sociology
EDL-1219	Introduction to Economics

Practical Elective-I: Choose one from the following	
PHP-1203	Foundation of Physics Lab
EDP-1214	Biology Laboratory-I
EDP-1215	Sessional Work-I

Practical Elective-II: Choose one from the following	
CHP-1203	Foundation of Chemistry Lab
EDP-1216	Sessional Work-II


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Course Structure

Semester III

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-2111	Principles of Education	DCC	4	0	0	4	100
2	EDL-2112	Inclusive Education	DCC	4	0	0	4	100
3		Elective Course-I	DEC	4	0	0	4	100
4		Elective Course-II	DEC	4	0	0	4	100
5		Elective Course-III	DEC	4	0	0	4	100
6	EDP-2111	Communication Skills	DCC	1	0	2	2	50
7	EDP-2112	Music and Drama	DCC	0	0	2	1	50
8	EDP-2113	Physical Education	DCC	0	0	2	1	50
9		Practical Elective-I	DEC	0	0	2	1	100
10		Practical Elective-II	DEC	0	0	2	1	100
Total				21	0	10	26	850
Periods/Week				31				
Semester Credit				26				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-1111	Differential Calculus
EDL-2115	Literary Forms and Practical Criticism
EDL-2116	Hindi ka Vyakardnik Swaroop
EDL-2113	Non-Chordate Zoology-II

Elective-II: Choose one from the following	
PHL-1111	Mechanics
EDL-2117	History of India-II
EDL-2114	Bryophytes, Pteridophytes and Gymnosperms

Elective-III: Choose one from the following	
CHL-1111	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
EDL-2118	Society in India: Structure and Change
EDL-2119	Micro Economics

Practical Elective-I: Choose one from the following	
PHP-1111	Physics Lab-I
EDP-2114	Biology Laboratory-II
EDP-2115	Sessional Work-III

Practical Elective-II: Choose one from the following	
CHP-1111	Chemistry Lab-I
EDP-2116	Sessional Work-IV


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Course Structure

Semester IV

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-2211	School Management	DCC	4	0	0	4	100
2	EDL-2212	Environmental Education	DCC	4	0	0	4	100
3		Elective Course-I	DEC	4	0	0	4	100
4		Elective Course-II	DEC	4	0	0	4	100
5		Elective Course-III	DEC	4	0	0	4	100
6	EDP-2211	Drawing and Art in Education	DCC	1	0	2	2	50
9		Practical Elective-I	DEC	0	0	2	1	100
10		Practical Elective-II	DEC	0	0	2	1	100
Total				21	0	6	24	750
				Periods/Week		27		
				Semester Credit		24		

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-	As per IAS
EDL-2215	History of English Literature-II
EDL-2216	Prayojanmoolak Hindi ka Swaroop
EDL-2213	Chordate Zoology-I

Elective-II: Choose one from the following	
PHL-	As per IAS
EDL-2217	History of China and Japan (1840-1949)
EDL-2214	Morphology and Taxonomy of Angiosperms

Elective-III: Choose one from the following	
CHL-	As per IAS
EDL-2218	Indian Society: Issues and Problems
EDL-2219	Environmental Economics

Practical Elective-I: Choose one from the following	
PHP-	As per IAS
EDP-2214	Biology Laboratory-III
EDP-2215	Sessional Work-V

Practical Elective-II: Choose one from the following	
CHP-	As per IAS
EDP-2216	Sessional Work-VI


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Course Structure

Semester V

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-3110	Pedagogy of Language	DCC	3	0	0	3	100
2	EDL-3111	Pedagogy of Mathematics	DCC	3	0	0	3	100
3	EDL-3112	Pedagogy of Environment Studies	DCC	3	0	0	3	100
4		Elective Course-I	DEC	4	0	0	4	100
5		Elective Course-II	DEC	4	0	0	4	100
6		Elective Course-III	DEC	4	0	0	4	100
7	EDP-3111	Simulated Teaching Practice	DCC	0	0	4	2	100
8		Practical Elective-I	DEC	0	0	2	1	100
9		Practical Elective-II	DEC	0	0	2	1	100
Total				21	0	8	25	900
Periods/Week				29				
Semester Credit				25				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-	As per IAS
EDL-3115	History of English Literature-III
EDL-3116	Hindi ki Adhunik Gadh Vidhayein
EDL-3113	Chordate Zoology-II

Elective-II: Choose one from the following	
PHL-	As per IAS
EDL-3117	History of India (1857-1964)
EDL-3114	Plant Resource Utilization and Conservation

Elective-III: Choose one from the following	
CHL-	As per IAS
EDL-3118	Social Change and Social Control
EDL-3119	Indian Economy

Practical Elective-I: Choose one from the following	
PHP-	As per IAS
EDP-3112	Biology Laboratory-IV
EDP-3113	Sessional Work-VII

Practical Elective-II: Choose one from the following	
CHP-	As per IAS
EDP-3114	Sessional Work-VIII

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Course Structure

Semester VI

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-3210	Educational Technology	DCC	4	0	0	4	100
2	EDL-3211	Measurement and Evaluation in Education	DCC	4	0	0	4	100
3		Elective Pedagogy	DCC	3	0	0	3	100
4		Elective Course-I	DEC	4	0	0	4	100
5		Elective Course-II	DEC	4	0	0	4	100
6		Elective Course-III	DEC	4	0	0	4	100
7	EDP-3211	Practice Teaching	DCC	0	0	4	2	100
8		Practical Elective-I	DEC	0	0	2	1	100
9		Practical Elective-II	DEC	0	0	2	1	100
Total				23	0	8	27	900
Periods/Week				31				
Semester Credit				27				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-	As per IAS
EDL-3215	History of English Literature-IV
EDL-3216	Sanchar Madhyamon Mein Hindi Prayog
EDL-3213	Cell Biology

Elective-II: Choose one from the following	
PHL-	As per IAS
EDL-3217	History of United States of America (1776-1945)
EDL-3214	Biochemistry, Molecular Biology and Biotechnology

Elective-III: Choose one from the following	
CHL-	As per IAS
EDL-3218	Foundations of Sociological Thought
EDL-3219	Macro Economics

Practical Elective-I: Choose one from the following	
PHP-	As per IAS
EDP-3212	Biology Laboratory-V
EDP-3213	Sessional Work-IX

Practical Elective-II: Choose one from the following	
CHP-	As per IAS
EDP-3214	Sessional Work-X


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Pedagogy Elective: Choose one from the following	
EDL-3251	Pedagogy of Science
EDL-3252	Pedagogy of Social Science
EDL-3253	Pedagogy of Commerce

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Course Structure

Semester VII

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDP-4111	Internship	DCC	0	0	30	15	300
2	EDP-4112	Project Work	DCC	0	0	6	3	100
3	EDP-4113	Educational Visits and Reporting	DCC	0	0	4	2	100
Total				0	0	40	20	500
Periods/Week				40				
Semester Credit				20				

DCC: Departmental Core Course

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Course Structure

Semester VIII

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1		Educational Elective	DCC	3	0	0	3	100
2	EDL-4212	Educational and Vocational Guidance	DCC	4	0	0	4	100
3		Elective Course-I	DEC	4	0	0	4	100
4		Elective Course-II	DEC	4	0	0	4	100
5		Elective Course-III	DEC	4	0	0	4	100
	EDL-4251	Gender, School and Society	DCC	1	0	0	1	50
	EDL-4252	Language Across the Curriculum	DCC	1	0	0	1	50
6	EDP-4211	Self Development Workshop	DCC	0	0	4	2	100
7	EDP-4212	Creative Writing and Story Telling	DCC	0	0	2	1	50
8		Practical Elective-I	DEC	0	0	2	1	100
9		Practical Elective-II	DEC	0	0	2	1	100
Total				21	0	10	26	950
Periods/Week				31				
Semester Credit				26				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-	As per IAS
EDL-4215	Linguistics and Structure of English
EDL-4216	Hindi Bhasha aur Sahitya ka Itihas tatha Kavyang Parichay
EDL-4213	Genetics

Elective-II: Choose one from the following	
PHL-	As per IAS
EDL-4217	History of Modern Europe (1789-1945)
EDL-4214	Environmental Botany and Plant Pathology

Elective-III: Choose one from the following	
CHL-	As per IAS
EDL-4218	Social Research Methods
EDL-4219	Money and Banking

Practical Elective-I: Choose one from the following	
PHP-	As per IAS
EDP-4213	Biology Laboratory-VI
EDP-4214	Sessional Work-XI

Practical Elective-II: Choose one from the following	
CHP-	As per IAS
EDP-4215	Sessional Work-XII


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Educational Elective: Choose one from the following	
EDL-4210	Value Education
EDL-4211	Human Rights and Peace Education

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Curriculum
For
Master of Education
(M.Ed.)

Institute of Education and Research

Faculty of Humanities

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2020-21




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Mangalayatan University
Beswan, Aligarh

Total Program Credits for M.Ed.

S.No.	Semester	Credits
1	I	20
2	II	20
3	III	20
4	IV	20
	Total	80

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Course Structure

Semester I

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-1161	Advanced Educational Psychology	DCC	4	0	0	4	100
2	EDL-1162	Philosophical Foundations of Education	DCC	4	0	0	4	100
3	EDL-1163	Inclusive Education	DCC	4	0	0	4	100
4	EDL-1164	Sociology of Education	DCC	4	0	0	4	100
5	EDL-1165	Research Methodology of Education-I	DCC	4	0	0	4	100
Total				20	0	0	20	500
Periods/Week				20				
Semester Credit				20				

DCC: Departmental Core Course

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 Mangalayatan University
 Beswan, Aligarh

Course Structure

Semester II

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1261	Pre-service and In-service Teacher Education	DCC	4	0	0	4	100
2	EDL-1262	Research Methodology in Education-II	DCC	4	0	0	4	100
3	EDL-1263	Economics of Education	DCC	4	0	0	4	100
4	EDL-1264	Curriculum Design	DCC	4	0	0	4	100
5	EDP-1261	Yoga Education	DCC	1	0	2	2	50
5	EDP-1262	Formulating Research Proposal	DCC	0	0	4	2	50
			Total	17	0	6	20	500
			Periods/Week	23				
			Semester Credit	20				

DCC: Departmental Core Course

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Course Structure

Semester III

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-2161	Perspectives, Issues and Research in Teacher Education	DCC	4	0	0	4	100
2		Elective-I	DEC	4	0	0	4	100
3		Elective-II	DEC	4	0	0	4	100
4		Elective-III	DEC	4	0	0	4	100
5	EDP-2161	Internship*	DCC	0	0	8	4	100
Total				16	0	8	20	500
Periods/Week				24				
Semester Credit				20				

* This shall be conducted in accordance with department activity schedule as per time schedule of the school

DCC: Departmental Core Course, DEC: Departmental Elective Course

Any one cluster is to be selected:

Cluster-I	
EDL-2162	Curriculum Models and Theories
EDL-2163	Curriculum Evaluation and Transaction
EDL-2164	Assessment in Secondary Education

Cluster-II	
EDL-2165	Educational Administration at Secondary Level of Education
EDL-2166	Educational Management at Secondary Level of Education
EDL-2167	Educational Leadership at Secondary Level of Education

Cluster-III	
EDL-2160	Educational Administration at Elementary Level of Education
EDL-2168	Educational Management at Elementary Level of Education
EDL-2169	Educational Leadership at Elementary Level of Education

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Course Structure

Semester IV

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-2261	Guidance and Counselling in Education	DCC	4	0	0	4	100
2	EDL-2262	Technology of Teaching Behavior	DCC	4	0	0	4	100
3	EDL-2263	Value and Peace Education	DCC	4	0	0	4	100
4	EDP-2261	Dissertation	DCC	0	0	8	4	100
5	EDL-2262	Presentation and Viva Voce	DCC	0	0	8	4	100
Total				12	0	16	20	500
Periods/Week				28				
Semester Credit				20				

DCC: Departmental Core Course

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Curriculum

For

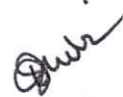
Integrated B.A.B.Ed.

Institute of Education and Research

Faculty of Humanities

CTC

11/9/21

2020-21



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Mangalayatan University
Beswan, Aligarh

Total Program Credits for Integrated B.A.B.Ed.

S.No.	Semester	Credits
1	I	24
2	II	28
3	III	27
4	IV	27
5	V	30
6	VI	28
7	VII	20
8	VIII	20
	Total	204

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Course Structure

Semester I

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1121	Philosophical Foundations of Education	DCC	4	0	0	4	100
2	EDL-1122	General English-I	DCC	3	0	0	3	100
3	EDL-1123	General Hindi-I	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6		Elective III	DEC	4	0	0	4	100
7	EDP-1122	Sessional Work-I	DEC	0	0	4	2	100
Total				22	0	4	24	800
Periods/Week				26				
Semester Credit				24				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
ENL-1141	History of English Literature-I
EDL-1126	Pracheen Evam Madhya Kaleen Kavya

Elective-II and III: Choose two from the following	
HSL-1141	History of India-I
PSL-1141	Principles of Political Science
CML-1104	Micro Economics
EDL-1127	Sanskritkavyam Kavyashastrancha


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Course Structure

Semester II

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1221	Sociological Foundations of Education	DCC	4	0	0	4	100
2	EDL-1222	Environmental Education	DCC	4	0	0	4	100
3	EDL-1223	General English-II	DCC	3	0	0	3	100
4	EDL-1224	General Hindi-II	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6		Elective-III	DCC	4	0	0	4	100
7		Practical Elective-I	DEC	0	0	4	2	100
Total				26	0	4	28	800
Periods/Week				30				
Semester Credit				28				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
ENL	As per BA (Hons)
	Hindi Natak aur Rangmanch

Elective-II and III: Choose two from the following	
HSL-1241	History of India-II
PSL-1241	Indian Constitution
CML-	Money, Banking and Public Finance
	Vyakarnam Anuvadh Sanskrit Sahityetihashcha

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Course Structure

Semester III

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-2121	Psychology of the Learner	DCC	4	0	0	4	100
2	EDL-2122	Contemporary Issues in Education	DCC	4	0	0	4	100
3	EDL-2123	Computer Applications	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6		Elective-III	DCC	4	0	0	4	100
7	EDP-2121	Music and Drama	DCC	0	0	2	1	100
8	EDP-2123	Computer Laboratory	DCC	0	0	2	1	100
9		Practical Elective-I	DEC	0	0	4	2	100
Total				23	0	8	27	900
Periods/Week				31				
Semester Credit				27				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
	As per BA (Hons)
	Adhunik Hindi Kavya

Elective-II and III: Choose two from the following	
HSL-2141	History of India-III
PSL-2141	Western Political Thinkers
	Macro Economics
	Natakam Natyashaiteyitishashcha


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Course Structure

Semester IV

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-2221	Educational Management	DCC	4	0	0	4	100
2	EDL-2222	Educational Technology	DCC	4	0	0	4	100
3	EDL-2223	Communication Skills	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7	EDP-2221	Drawing and Art in Education	DCC	1	0	2	2	100
8		Practical Elective-I	DEC	0	0	4	2	100
			Total	24	0	6	27	800
			Periods/Week	30				
			Semester Credit	27				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
ENL-2241	History of English Literature-IV
EDL-2226	Hindi Katha Sahitya

Elective-II and III: Choose two from the following	
HSL-2241	History of Modern Europe
PSL-2241	Contemporary Political Science
	Indian Economy
EDL-2227	Gadyakavyam Vyakaranam Nibandh Gadyashaityehisashcha

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Course Structure

Semester V

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-3121	Educational Measurement and Evaluation	DCC	4	0	0	4	100
2	EDL-3122	Growth and Development	DCC	4	0	0	4	100
3	EDL-3129	Pedagogy of Social Studies	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6		Elective-III	DEC	4	0	0	4	100
7	EDP-3121	Skill Focussed Teaching	DCC	0	0	2	1	50
8	EDP-3122	Foundations of Physical and Health Education	DCC	1	0	2	2	50
9	EDP-3123	Preparation of Instructional Material-I	DCC	0	0	2	1	50
10	EDP-3124	Community Work	DCC	0	0	2	1	50
11		Practical Elective-I	DEC	0	0	4	2	100
Total				24	0	12	30	900
Periods/Week				36				
Semester Credit				30				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
ENL-3141	As per BA (Hons)
EDL-3127	Adhyatan Hindi Evam Kaurvi Lok kavya

Elective-II and III: Choose two from the following	
HSL-3141	History of USA
PSL-3141	Indian Political Thought
	Economics
EDL-3128	Veda Upanishad Arshkavyam Alankarashcha

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Course Structure

Semester VI

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-3221	Guidance and Counselling	DCC	4	0	0	4	100
2	EDL-3222	Action Research	DCC	4	0	0	4	100
3		Elective Pedagogy	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6		Elective-III	DCC	4	0	0	4	100
7	EDP-3222	Practice Teaching	DCC	0	0	4	2	50
8	EDP-3223	Preparation of Instructional Material-II	DCC	0	0	2	1	50
9		Practical Elective-I	DEC	0	0	4	2	100
Total				23	0	10	28	800
Periods/Week				33				
Semester Credit				28				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
	Literary Criticism
EDL-3227	Hindi

Pedagogy Elective: Choose one from the following	
EDL-3228	Pedagogy of English
EDL-3229	Pedagogy of Hindi
EDL-3220	Pedagogy of Sanskrit

Elective-II and III: Choose two from the following	
HSL-3241	History
PSL-3241	Public Administration
	Economics
EDL-	Sanskrit

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Course Structure

Semester VII

Course Code	Course Title	Course Area	Periods				Course Total
			L	T	P	C	
1	EDP-4121	Internship	0	0	30	15	300
2	EDP-4122	Project Work	0	0	6	3	100
3	EDP-4123	Educational Visits and Reporting	0	0	4	2	100
Total			0	0	40	20	500
Periods/Week			40				
Semester Credit			20				

DCC: Departmental Core Course

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Course Structure

Semester VIII

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-4221	Curriculum Development	DCC	4	0	0	4	100
2	EDL-4222	Inclusive Education	DCC	4	0	0	4	100
3	EDL-4223	Gender and School	DCC	4	0	0	4	100
4		Elective	DEC	3	0	0	3	100
5	EDP-4221	Designing Assessment Tools	DCC	0	0	4	2	50
6	EDP-4222	Reading and Reflecting on Texts	DCC	0	0	2	1	50
7	EDP-4223	Personality Development Workshop	DEC	0	0	4	2	100
Total				15	0	10	20	600
Periods/Week				25				
Semester Credit				20				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective : Choose one from the following	
EDL-4224	Value Education
EDL-4225	Human Rights and Peace Education
EDL-4226	Indian Political System

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Curriculum

For

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Institute of Education and Research

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Beswan, Aligarh

Total Program Credits for Integrated B.Sc.B.Ed.

S.No.	Semester	Credits
1	I	24
2	II	28
3	III	27
4	IV	27
5	V	30
6	VI	28
7	VII	20
8	VIII	20
	Total	204

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Course Structure

Semester I

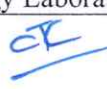

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1121	Philosophical Foundations of Education	DCC	4	0	0	4	100
2	EDL-1122	General English-I	DCC	3	0	0	3	100
3	EDL-1123	General Hindi-I	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL-1111	Chemical Bonding and General Organic Chemistry	DCC	4	0	0	4	100
7		Practical Elective-I	DEC	0	0	2	1	100
8	CHP-1111	Chemistry Laboratory-I	DEC	0	0	2	1	100
Total				22	0	4	24	800
Periods/Week				26				
Semester Credit				24				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL-1111	Differential Calculus
EDL-1124	Non-Chordate Zoology

Elective-II: Choose one from the following	
PHL-1111	Mechanics
EDL-1125	Algae and Microbiology

Practical Elective-I: Choose one from the following	
PHP-1111	Physics Laboratory-I
EDP-1121	Biology Laboratory-I



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Course Structure

Semester II

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-1221	Sociological Foundations of Education	DCC	4	0	0	4	100
2	EDL-1222	Environmental Education	DCC	4	0	0	4	100
3	EDL-1223	General English-II	DCC	3	0	0	3	100
4	EDL-1224	General Hindi-II	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7		Practical Elective-I	DEC	0	0	2	1	100
8	CHP	As per IAS	DEC	0	0	2	1	100
Total				26	0	4	28	900
Periods/Week				30				
Semester Credit				28				


DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL	As per IAS
EDL-1225	Chordate Zoology

Elective-II: Choose one from the following	
PHL	As per IAS
EDL-1226	Bryophytes, Pteridophytes and Gymnosperms

Practical Elective-I: Choose one from the following	
PHP	As per IAS
EDP-1221	Biology Laboratory-II

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Course Structure

Semester III


Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-2121	Psychology of the Learner	DCC	4	0	0	4	100
2	EDL-2122	Contemporary Issues in Education	DCC	4	0	0	4	100
3	EDL-2123	Computer Applications	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7	EDP-2121	Music and Drama	DCC	0	0	2	1	100
8	EDP-2123	Computer Laboratory	DCC	0	0	2	1	100
9		Practical Elective-I	DEC	0	0	2	1	100
10	CHP	As per IAS	DEC	0	0	2	1	100
Total				23	0	8	27	1000
				Periods/Week		31		
				Semester Credit		27		

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL	As per IAS
EDL-2124	Developmental Biology

Elective-II: Choose one from the following	
PHL	As per IAS
EDL-2125	Morphology and Taxonomy of Angiosperms

Practical Elective-I: Choose one from the following	
PHP	As per IAS
EDP-1221	Biology Laboratory-III



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Beswan, Aligarh

Course Structure

Semester IV

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-2221	Educational Management	DCC	4	0	0	4	100
2	EDL-2222	Educational Technology	DCC	4	0	0	4	100
3	EDL-2223	Communication Skills	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7	EDP-2221	Drawing and Art in Education	DCC	1	0	2	2	100
8		Practical Elective-I	DEC	0	0	2	1	100
9	CHP	As per IAS	DEC	0	0	2	1	100
Total				24	0	6	27	900
Periods/Week				30				
Semester Credit				27				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL	As per IAS
EDL-2224	Biochemistry, Molecular Biology and Biotechnology

Elective-II: Choose one from the following	
PHL	As per IAS
EDL-2225	Cell Biology

Practical Elective-I: Choose one from the following	
PHP	As per IAS
EDP-2222	Biology Laboratory-IV

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Beswan, Aligarh

Course Structure

Semester V

Course Code		Course Title	Course Area	Periods				Course Total
				L	T	P	C	
1	EDL-3121	Educational Measurement and Evaluation	DCC	4	0	0	4	100
2	EDL-3122	Growth and Development	DCC	4	0	0	4	100
3		Elective Pedagogy	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7	EDP-3121	Skill Focussed Teaching	DCC	0	0	2	1	50
8	EDP-3122	Foundations of Physical and Health Education	DCC	1	0	2	2	50
9	EDP-3123	Preparation of Instructional Material-I	DCC	0	0	2	1	50
10	EDP-3124	Community Work	DCC	0	0	2	1	50
8		Practical Elective-I	DEC	0	0	2	1	100
9	CHP	As per IAS	DEC	0	0	2	1	100
Total				24	0	12	30	1000
Periods/Week				36				
Semester Credit				30				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective-I: Choose one from the following	
MAL	As per IAS
EDL-3123	Animal Physiology

Elective-II: Choose one from the following	
PHL	As per IAS
EDL-3124	Plant Physiology and Ecology

Pedagogy Elective: Choose one from the following	
EDL-3125	Pedagogy of Mathematics
EDL-3126	Pedagogy of Biology

Practical Elective-I: Choose one from the following	
PHP	As per IAS
EDP-3125	Biology Laboratory-V


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 Mangalayatan University
 Deswan, Aligarh

Course Structure

Semester VI

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-3221	Guidance and Counselling	DCC	4	0	0	4	100
2	EDL-3222	Action Research	DCC	4	0	0	4	100
3		Elective Pedagogy	DCC	3	0	0	3	100
4		Elective-I	DEC	4	0	0	4	100
5		Elective-II	DEC	4	0	0	4	100
6	CHL	As per IAS	DCC	4	0	0	4	100
7	EDP-3222	Practice Teaching	DCC	0	0	4	2	50
8	EDP-3223	Preparation of Instructional Material-II	DCC	0	0	2	1	50
9		Practical Elective-I	DEC	0	0	2	1	100
10	CHP	As per IAS	DEC	0	0	2	1	100
Total				23	0	10	28	900
Periods/Week				33				
Semester Credit				28				

DCC: Departmental Core Course; DEC: Departmental Elective Course


Elective-I: Choose one from the following	
MAL	As per IAS
EDL-3223	Genetics

Elective-II: Choose one from the following	
PHL	As per IAS
EDL-3224	Development of Plants and their Utilization

Pedagogy Elective: Choose one from the following	
EDL-3225	Pedagogy of Physics
EDL-3226	Pedagogy of Chemistry

Practical Elective-I: Choose one from the following	
PHP	As per IAS
EDP-3125	Biology Laboratory-V

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Course Structure

Semester VII

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDP-4121	Internship	DCC	0	0	30	15	300
2	EDP-4122	Project Work	DCC	0	0	6	3	100
3	EDP-4123	Educational Visits and Reporting	DCC	0	0	4	2	100
Total				0	0	40	20	500
Periods/Week				40				
Semester Credit				20				

DCC: Departmental Core Course

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Course Structure

Semester VIII

Course Code	Course Title	Course Area	Periods				Course Total	
			L	T	P	C		
1	EDL-4221	Curriculum Development	DCC	4	0	0	4	100
2	EDL-4222	Inclusive Education	DCC	4	0	0	4	100
3	EDL-4223	Gender and School	DCC	4	0	0	4	100
4		Elective	DEC	3	0	0	3	100
5	EDP-4221	Designing Assessment Tools	DCC	0	0	4	2	50
6	EDP-4222	Reading and Reflecting on Texts	DCC	0	0	2	1	50
7	EDP-4223	Personality Development Workshop	DEC	0	0	4	2	100
Total				15	0	10	20	600
Periods/Week				25				
Semester Credit				20				

DCC: Departmental Core Course; DEC: Departmental Elective Course

Elective : Choose one from the following	
EDL-4224	Value Education
EDL-4225	Human Rights and Peace Education
EDL-4226	Indian Political System

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Mangalayatan University

Beswan, Aligarh – 202145

Curriculum

(Choice Based Credit System)

for

Master of Business Administration

MBA

Department of Management

Institute of Business Management

Faculty of Management and commerce

CTC



18/9/21

2020-22

Total Program Credits for MBA

S.N.	Semester	Credits
1	I	28
2	II	28
3	III	28
4	IV	28
Total		112

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.

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Course Structure Semester-I

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-6101	Management Functions & Behaviour	DCC	4	0	0	4	100
MGL-6102	Marketing Management	DCC	4	0	0	4	100
MGL-6103	Managerial Economics	DCC	4	0	0	4	100
MGL-6104	Accounting for Managers	DCC	4	0	0	4	100
MGL-6105	Quantitative Analysis for Managerial Applications	DCC	4	0	0	4	100
MGL-6106	Information Technology for Managers	DCC	4	0	0	4	100
MGL-6107	Business Communication	DCC	4	0	0	4	100
TOTAL			28	0	0	28	700
DCC - Departmental Core Course							

Semester- II

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-6201	Entrepreneurship & SMEs Management	DCC	4	0	0	4	100
MGL-6202	Business Environment	DCC	4	0	0	4	100
MGL-6203	Research Methodology	DCC	4	0	0	4	100
MGL-6204	Financial Management	DCC	4	0	0	4	100
MGL-6205	Legal Regulatory Framework	DCC	4	0	0	4	100
MGL-6206	Human Resource Management	DCC	4	0	0	4	100
OE	Open Elective	OE	4	0	0	4	100
TOTAL			28	0	0	28	700
DCC - Departmental Core Course, OE- Open Elective							

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Semester- III


Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-7101	Strategic Management	DCC	4	0	0	4	100
MGL-7102	Global Business Management	DCC	4	0	0	4	100
	Specialisation-1, Subject-1	DSE	4	0	0	4	100
	Specialisation-1, Subject-2	DSE	4	0	0	4	100
	Specialisation-2, Subject-1	DSE	4	0	0	4	100
	Specialisation-2, Subject-2	DSE	4	0	0	4	100
MGT-7101	Summer Internship Project	DCC	4	0	0	4	100
TOTAL			28	0	0	28	700

DCC - Departmental Core Course, DSE- Discipline Specific elective

Departmental Specialization

Finance Specialization(Any two of the following)	
MGL-7111	Financial Institutions & Markets
MGL-7112	International Financial Management
MGL-7113	Management Control System
Marketing Specialization(Any two of the following)	
MGL-7121	Retail Management
MGL-7122	Consumer Behaviour
MGL-7123	Digital Marketing
Human Resource Specialization(Any two of the following)	
MGL-7131	Industrial Relations
MGL-7132	Performance Management and Compensation Management
MGL-7133	Human Resource Development
International Business Specialization(Any two of the following)	
MGL-7141	International trade practices, procedures and documentation
MGL-7142	International Business Environment
MGL-7143	International Marketing

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Semester- IV

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-7201	Business Ethics and Corporate Governance	DCC	4	0	0	4	100
MGL-7202	Operations and Project Management	DCC	4	0	0	4	100
	Specialisation-1, Subject-1	DSE	4	0	0	4	100
	Specialisation-1, Subject-2	DSE	4	0	0	4	100
	Specialisation-2, Subject-1	DSE	4	0	0	4	100
	Specialisation-2, Subject-2	DSE	4	0	0	4	100
MGD-7201	Industrial Internship/Dissertation	OE	4	0	0	4	100
TOTAL			28	0	0	28	700

DCC - Departmental Core Course, DSE- Discipline Specific elective

Departmental Specialization

Finance Specialization(Any two of the following)	
MGL-7211	Derivatives & Risk Management
MGL-7212	Portfolio Management
MGL-7213	Corporate Taxation
Marketing Specialization(Any two of the following)	
MGL-7221	Rural Marketing
MGL-7222	Advertising Management
MGL-7223	Brand Management
Human Resource Specialization (Any two of the following)	
MGL-7231	International Human Resource Management
MGL-7232	Leadership, Power & Politics
MGL-7233	Strategic Human Resource Management
International Business Specialization(Any two of the following)	
MGL-7241	India's Foreign Trade and Investment
MGL-7242	International Supply Chain Management
MGL-7243	International Advertising and Brand Management

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Mangalayatan University
Course Structure
Three years UG programs

B.A./B.A. Hons. & B. Sc./ B. Sc. Hons.


Course	Credits (as UGC)	Types	No. of Papers		Credits
			B.Sc.	B.Sc. (Hons.)	
Core Course	72 (84)	Core	12	14	72 (84)
Ability Enhancement Course	12 (08)	Ability Enhancement compulsory course	3 (EVS & Two English papers)	3 (EVS & Two English papers)	06 (06)
		Skill Enhancement Course	02	02	06 (06)
Elective Course	36 (48)	Discipline Specific Elective	04	06	16 (24)
		Open Elective	02	02	08 (08)
		Generic Elective	03	03	12 (12)
Total	120 (140)*				120 (140)*

*Note: The credits within the parentheses are for Hons. Program.



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INSTITUTE OF APPLIED SCIENCES
EVALUATION SCHEME M.Sc. CHEMISTRY
(2019-20 and onwards)

Sem - I

Subject Code	Subject Name	TYPE	Periods			Credits	Marks allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
CHL-6111	Instrumental Chemistry of Analysis	DC	3	0	0	3	40	10	0	50	50	100
CHL-6112	Stereo Chemistry and Organic Reaction Mechanism	DC	3	0	0	3	40	10	0	50	50	100
CHL-6113	Quantum Chemistry	DC	3	0	0	3	40	10	0	50	50	100
CHL-6114	Photochemistry and Pericyclic Reactions	DC	3	0	0	3	40	10	0	50	50	100
CHL-6115	Main Group of Chemistry	DC	3	0	0	3	40	10	0	50	50	100
Practicals												
CHP-6111	Chemistry Lab-I	DC	0	0	4	2	0	0	100	100	0	100
CHP-6112	Chemistry Lab-II	DC	0	0	4	2	0	0	100	100	0	100
TOTAL			15	0	8	19	200	50	200	450	250	700
Total Semester Hours			23									
Total Semester Credits			19									

Sem - II

Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
CHL-6211	Molecular Thermodynamics	DC	3	0	0	3	40	10	0	50	50	100
CHL-6212	Organic Synthesis	DC	3	0	0	3	40	10	0	50	50	100
CHL-6213	Transition and Inner Transition Metal Chemistry	DC	3	0	0	3	40	10	0	50	50	100
CHL-6214	Basic Organometallic Chemistry	DC	3	0	0	3	40	10	0	50	50	100
	Program Elective-I	DE	3	0	0	3	40	10	0	50	50	100
Practicals												
CHP-6211	Chemistry Lab-III	DC	0	0	4	2	0	0	100	100	0	100
CHP-6212	Chemistry Lab-IV	DC	0	0	4	2	0	0	100	100	0	100
TOTAL			15	0	8	19	200	50	200	450	250	700
Total Semester Hours			23									
Total Semester Credits			19									


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INSTITUTE OF APPLIED SCIENCES
EVALUATION SCHEME M.Sc. CHEMISTRY
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Sem - III

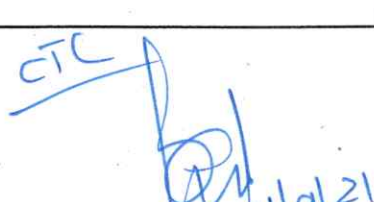
Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
CHL-7111	Bioinorganic and Biophysical Chemistry	DC	4	0	0	4	40	10	0	50	50	100
CHL-7112	Analytical Techniques	DC	4	0	0	4	40	10	0	50	50	100
CHL-7113	Organic Photochemistry	DC	4	0	0	4	40	10	0	50	50	100
	Program Elective-II	DE	3	0	0	3	40	10	0	50	50	100
Seminar/Project												
CHD-7111	Project-I	DC	0	0	10	5	0	0	100	100	0	100
TOTAL			15	0	10	20	160	40	100	300	200	500
Total Semester Hours			25									
Total Semester Credits			20									

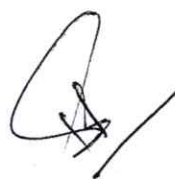
Sem - IV

Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
CHL-7211	Inorganic Polymers	DC	4	0	0	4	40	10	0	50	50	100
	Program Elective-III	DE	3	0	0	3	40	10	0	50	50	100
	Program Elective-IV	DE	3	0	0	3	40	10	0	50	50	100
Seminar/Project												
CHD-7211	Project-II	DC	0	0	12	6	0	0	200	200	0	200
TOTAL			10	0	12	16	120	30	200	350	150	500
Total Semester Hours			24									
Total Semester Credits			16									

Elective Papers:

- CHL-6221 Supramolecular Chemistry
- CHL-7121 Solid State Chemistry
- CHL-7122 Selected Topics in Spectroscopy
- CHL-7221 Statistical Thermodynamics
- CHL-7222 Chemistry of Natural Products
- CHL-7223 Surface chemistry


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INSTITUTE OF APPLIED SCIENCES
EVALUATION SCHEME M.Sc. MATHEMATICS
(2018-19 and onwards) Modified

Sem - I

Subject Code	Subject Name	TYPE	Periods			Credits	Marks allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
MMA-101	Abstract Algebra	DC	4	0	0	4	40	10	0	50	50	100
MMA-102	Classical Mechanics	DC	4	0	0	4	40	10	0	50	50	100
MMA-103	Partial Differential Equations	DC	4	0	0	4	40	10	0	50	50	100
MMA-104	Real Analysis	DC	4	0	0	4	40	10	0	50	50	100
MMA-105	Technique of Applied Mathematics	DC	4	0	0	4	40	10	0	50	50	100
TOTAL			20	0	0	20	200	50	0	250	250	500
Total Semester Hours			20									
Total Semester Credits			20									

Sem - II

Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
MMA-201	Complex Analysis	DC	4	0	0	4	40	10	0	50	50	100
MMA-202	Topology	DC	4	0	0	4	40	10	0	50	50	100
MMA-203	Mathematical Programming	DC	4	0	0	4	40	10	0	50	50	100
MMA-204	Numerical Analysis	DC	4	0	0	4	40	10	0	50	50	100
MMA-211	Program Elective-I	DE	3	0	0	3	40	10	0	50	50	100
Practicals												
MMA-255	Program Elective-I Lab	DE	0	0	2	1	0	0	100	100	0	100
TOTAL			19	0	2	20	200	50	100	350	250	600
Total Semester Hours			21									
Total Semester Credits			20									


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EVALUATION SCHEME M.Sc. MATHEMATICS
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Sem - III

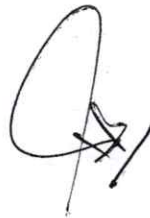
Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
MMA-301	Linear Algebra	DC	4	0	0	4	40	10	0	50	50	100
MMA-302	Mathematical Statistics	DC	4	0	0	4	40	10	0	50	50	100
MMA-303	Functional Analysis	DC	4	0	0	4	40	10	0	50	50	100
MMA-311	Program Elective-II	DE	3	0	0	3	40	10	0	50	50	100
Seminar/Project												
MMA-391	Project-I	DC	0	0	10	5	0	0	100	100	0	100
TOTAL			15	0	10	20	160	40	100	300	200	500
Total Semester Hours			25									
Total Semester Credits			20									

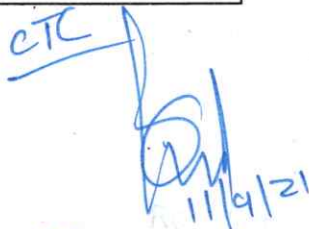
Sem - IV

Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation				Major	Total
			L	T	P		Mid-Term (M)					
							M	CAT	CAP	Total		
MMA-401	Fluid Mechanics	DC	4	0	0	4	40	10	0	50	50	100
MMA-411	Program Elective-III	DE	3	0	0	3	40	10	0	50	50	100
MMA-412	Program Elective-IV	DE	3	0	0	3	40	10	0	50	50	100
Seminar/Project												
MMA-491	Project-II	DC	0	0	12	6	0	0	200	200	0	200
TOTAL			10	0	12	16	120	30	200	350	150	500
Total Semester Hours			24									
Total Semester Credits			16									

Program Elective Papers:

1. Differential Geometry
2. Advanced Number Theory
3. Graph Theory
4. Programming in Scilab
5. Research Methodology
6. Tensor Analysis
7. Introduction to Game Theory



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**MANGALAYATAN UNIVERSITY
INSTITUTE OF APPLIED SCIENCES
EVALUATION SCHEME M.Sc. PHYSICS
(2018-19 onwards) Modified**

Sem - I

Subject Code	Subject Name	TYPE	Periods			Credits	Marks allocation					Total
			L	T	P		Mid-Term (M)				Major	
							M	CAT	CAP	Total		
MPH-101	Mathematical Physics	DC	4	0	0	4	40	10	0	50	50	100
MPH-102	Classical Mechanics	DC	4	0	0	4	40	10	0	50	50	100
MPH-103	Quantum Mechanics-I	DC	4	0	0	4	40	10	0	50	50	100
MPH-104	Electronics	DC	4	0	0	4	40	10	0	50	50	100
MPH-105	Classical Electrodynamics	DC	4	0	0	4	40	10	0	50	50	100
Practicals												
MPH-151	Physics Lab-I (General Lab-I)	DC	0	0	4	2	0	0	100	100	0	100
TOTAL			20	0	4	22	200	50	100	350	250	600
Total Semester Hours				24								
Total Semester Credits				22								

Sem - II

Subject Code	Subject Name	TYPE	Periods			Credits	Marks Allocation					Total
			L	T	P		Mid-Term				Major	
							M	CAT	CAP	Total		
MPH-201	Statistical Mechanics	DC	4	0	0	4	40	10	0	50	50	100
MPH-202	Quantum Mechanics-II	DC	4	0	0	4	40	10	0	50	50	100
MPH-203	Nuclear and Particle Physics	DC	4	0	0	4	40	10	0	50	50	100
MPH-204	Condensed Matter Physics	DC	4	0	0	4	40	10	0	50	50	100
MPH-211	Program Elective-I	DE	3	0	0	3	40	10	0	50	50	100
Practicals												
MPH-251	Physics Lab-II (General Lab-II)	DC	0	0	4	2	0	0	100	100	0	100
MPH-255	Program Elective-I Lab	DE	0	0	2	1	0	0	100	100	0	100
TOTAL			19	0	6	22	200	50	200	450	250	700
Total Semester Hours				25								
Total Semester Credits				22								


 ETC

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(2019-20 onwards)

Sem - III

Subject Code	Subject Name		Periods			Credits	Marks Allocation					Total
			L	T	P		Mid-Term				Major	
							M	CAT	CAP	Total		
MPH-301	Atomic and Molecular Physics	DC	4	0	0	4	40	10	0	50	50	100
MPH-311	Elective-II	DE	4	0	0	3	40	10	0	50	50	100
MPH-312	Elective-III	DE	4	0	0	3	40	10	0	50	50	100
Practical												
MPH-351	Advanced Physics Lab	DC	0	0	4	2	0	0	100	100	0	100
MPH-353	Project-I	DC	0	0	6	3	0	0	100	100	0	100
TOTAL			12	0	10	15	120	30	200	350	150	500
Total Semester Hours			22									
Total Semester Credits			15									

Sem - IV

Subject Code	Subject Name		Periods			Credits	Evaluation Schemes					Total
			L	T	P		Mid-Term				Major	
							M1	CAT	CAP	Total		
MPH-401	Departmental Specialization-I	DS	4	0	0	4	40	10	0	50	50	100
MPH-402	Departmental Specialization-II	DS	4	0	0	4	40	10	0	50	50	100
MPH-411	Elective-IV	DE	4	0	0	3	40	10	0	50	50	100
Seminar/Project												
MPH-491	Project-II	DC	0	0	12	6	0	0	200	200	0	200
TOTAL			4	0	28	17	40	10	300	350	50	500
Total Semester Hours			4									
Total Semester Credits			17									

Elective Papers:

1. Semiconductor Electronics
2. Communication System
3. Physics of Laser and Laser Application
4. Programming in Scilab
5. Research Methodology
6. Tensor Analysis

Departmental Specialization:

1. Plasma and Space Physics
2. General Relativity and Introductory Astrophysics
3. Non-linear Optics
4. Quantum Optics


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Mangalayatan University

Beswan, Aligarh – 202145

Curriculum

(Choice Based Credit System)


for

Bachelor of Technology
(Electronics & Communication Engineering)

Department of Electrical & Electronics Engineering
Institute of Engineering and Technology



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Total Program Credits for B. Tech. (Electronics and Communication Engineering)

S.N.	Semester	Credits
1	I	21
2	II	18
3	III	21
4	IV	21
5	V	22
6	VI	22
7	VII	19
8	VIII	19
Total		163

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.



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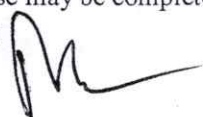
Course Structure

Semester I

Course Code	Course Title	Course	Periods			Credit	Marks	Common to Programs
			Area	L	T			
MAL-1101	Applied Mathematics-I	BSC	3	1	0	4	100	All
CHL-1101/PHL-1101	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	All
ECL-1101/ECL-1102	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	100	All
CSL-1101	Basics of Computer and Programming	ESC	3	0	0	3	100	All
AGL-1100	Environmental Studies	BSC	2	0	0	2	100	All
ENL-1100	Communicative English-I	HMC	2	0	0	2	100	All
CHP-1101/PHP-1101	Applied Physics Lab/Applied Chemistry Lab	BSC	0	0	2	1	100	All
ECP-1101/ECP-1102	Electrical Engineering Lab/ Electronics Engineering Lab	ESC	0	0	2	1	100	All
CSP-1101	Basics of Computer and Programming Lab	ESC	0	0	2	1	100	All
MEP-1101/MEP-1102	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	All
TOTAL			16	1	8	21	1000	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department




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Semester II

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
MAL-1201	Applied Mathematics-II	BSC	3	1	0	4	100	All
CHL-1201/PHL-1201	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	All
ECL-1201/ECL-1202	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	100	All
MEL-1201	Elements of Mechanical Engineering	ESC	3	0	0	3	100	All
ENL-1200	Communicative English-II	HMC	2	0	0	2	100	All
CHP-1201/PHP-1201	Applied Chemistry Lab/Applied Physics Lab	BSC	0	0	2	1	100	All
ECP-1201/ECP-1202	Electronics Engineering Lab/Electrical Engineering Lab	ESC	0	0	2	1	100	All
MEP-1201/MEP-1202	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	All
TOTAL			14	1	6	18	800	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department




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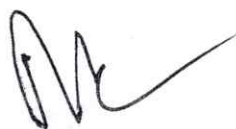
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 Mangalayatan University
 Beswan, Aligarh

Semester III

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
MAL-2101	Applied Mathematics-III	BSC	3	1	0	4	100	All
ECL-2101	Analog Devices and Circuits	DCC	3	1	0	4	100	ECE
ECL-2102	Electronic Instrumentation	DCC	3	1	0	4	100	ECE
ECL-2103	Network Analysis and Synthesis	DCC	3	0	0	3	100	ECE
ECL-2104	Semiconductor Materials and Devices	DCC	3	0	0	3	100	ECE
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
ECP-2101	Analog Devices and Circuits Lab	DCC	0	0	2	1	100	ECE
ECP-2102	Electronic Instrumentation Lab	DCC	0	0	2	1	100	ECE
ECP-2103	Network Analysis and Synthesis Lab	DCC	0	0	2	1	100	ECE
TOTAL			17	3	6	21	900	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department



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Semester IV

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
	Engineering Science Course	ESC	3	0	0	3	100	All
ECL-2201	Digital Electronics	DCC	3	1	0	4	100	ECE
ECL-2202	Analog Communication	DCC	3	1	0	4	100	ECE
ECL-2203	Signals and Systems	DCC	3	1	0	4	100	ECE
ECL-2204	Electromagnetic Fields and Transmission Lines	DCC	3	0	0	3	100	ECE
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
ECP-2201	Digital Electronics Lab	DCC	0	0	2	1	100	ECE
ECP-2202	Analog Communication Lab	DCC	0	0	2	1	100	ECE
ECP-2203	Electronics Workshop	DCC	0	0	2	1	100	ECE
TOTAL			17	3	6	21	900	

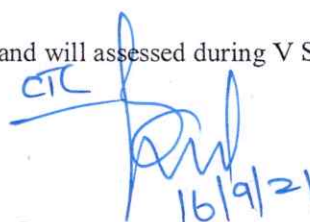
Engineering Science Courses		
S. No.	Course Code	Course
1	CSL-2231	Object Oriented Programming using C++
2	MEL-2231	Material Science
3	ECL-2231	Sensor & Instrumentation
4	ECL-2232	Energy Science and Engineering
5		Any other course offered by any department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

- Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.
- The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester




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Semester V

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
ECL-3101	Digital Communication	DCC	3	1	0	4	100	ECE
ECL-3102	Linear Integrated Circuits	DCC	3	1	0	4	100	ECE
ECL-3103	Microprocessors and Applications	DCC	3	1	0	4	100	ECE
	Departmental Elective Course-1	DEC	3	0	0	3	100	ECE
	Departmental Elective Course-2	DEC	3	0	0	3	100	ECE
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
ECP-3101	Digital Communication Lab	DCC	0	0	2	1	100	ECE
ECP-3102	Linear Integrated Circuits Lab	DCC	0	0	2	1	100	ECE
ECP-3103	Microprocessors and Applications Lab	DCC	0	0	2	1	100	ECE
ECT-3101	Internship Assessment	DCC	0	0	2	1	100	ECE
TOTAL			17	3	8	22	1000	


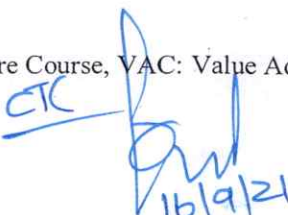
Departmental Elective Courses

S. No.	Course Code	Course
1	ECL-3104	Antennas and Wave Propagation
2	ECL-3105	Communication Networks and Switching
3	ECL-3106	Audio System Engineering
4	ECL-3107	Pulse and Switching Circuits
5	ECL-3108	Optoelectronic Devices and Circuits
6	ECL-3109	Digital Signal Processing
7		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.
2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester



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Semester VI

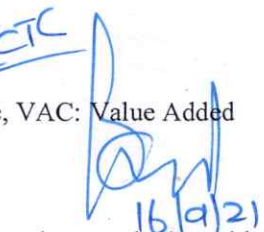
Course Code	Course Title	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
ECL-3201	Microwave Engineering	DCC	3	1	0	4	100	ECE
ECL-3202	Automatic Control Systems	DCC	3	1	0	4	100	ECE
ECL-3203	Wireless Communication	DCC	3	1	0	4	100	ECE
	Departmental Elective Course-3	DEC	3	0	0	3	100	ECE
	Open Elective Course-1 offered by the University	OEC	4	0	0	4	100	All
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
ECP-3201	Microwave Engineering Lab	DCC	0	0	2	1	100	ECE
ECP-3202	Automatic Control Systems Lab	DCC	0	0	2	1	100	ECE
ECP-3203	Automation Lab	DCC	0	0	2	1	100	ECE
TOTAL			18	3	6	22	900	

Departmental Elective Courses		
S. No.	Course Code	Course
1	ECL-3204	Radar and Navigational Aids
2	ECL-3205	Microelectronics and VLSI
3	ECL-3206	Microcontroller and Embedded Systems
4		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

- Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.
- Students have to go for Industrial Training from 4 to 6 weeks during the vacations between VI and VII Semesters. The training will be evaluated with the VII Semester exams.


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Semester VII

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
	Humanities and Management Course	HMC	3	0	0	3	100	All
ECL-4101	Optical Fiber Communication	DCC	3	0	0	3	100	ECE
	Departmental Elective Course-4	DEC	3	0	0	3	100	ECE
	Open Elective Course-2 offered by the University	OEC	4	0	0	4	100	All
ECP-4101	Optical Fiber Communication Lab	DCC	0	0	2	1	100	ECE
ICT-4101	Internship Assessment	DCC	0	0	2	1	100	ECE
ECD-4101	Project Part-I	DCC	0	0	8	4	200	ECE
TOTAL			13	0	12	19	800	

Departmental Elective Courses		
S. No.	Course Code	Course
1	ECL-4102	Wireless Adhoc Networks
2	ECL-4103	Satellite Communication
3	ECL-4104	MEMS & Microsystems
4		Any other course offered by any department

Humanities and Management Course		
S. No.	Course Code	Course
1	MGL-4101	Engineering Economics and Management
2	MGL-4102	Organizational Behaviour
3	MGL-4103	Research Methodology
4		Any other course offered by any department




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BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note:

- Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.
- The Internship (4-6 weeks) conducted during summer break after VI semester and will assessed during VII Semester

Semester VIII

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
ECL-4201	Advanced 3G and 4G Mobile Communication	DCC	3	0	0	3	100	ECE
	Departmental Elective Course-5	DEC	3	0	0	3	100	ECE
	Open Elective Course-3 offered by the University	OEC	4	0	0	4	100	All
ECD-4201	Project Part-II	DCC	0	0	18	9	500	ECE
TOTAL			10	0	18	19	800	

Total Program Credit: 163

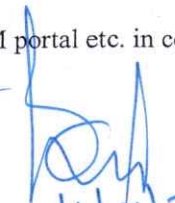
Departmental Elective Courses		
S. No.	Course Code	Course
1	ECL-4202	Wireless Sensor Networks
2	ECL-4203	Voice Over IP
3	ECL-4204	Optical Networks
4		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

- Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.




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Mangalayatan University

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Curriculum

(Choice Based Credit System)


for

Master of Technology
(Communication Systems)

Department of Electrical & Electronics Engineering
Institute of Engineering and Technology



2019-20

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Total Program Credits for M. Tech. (Communication Systems)

S.N.	Semester	Credits
1	I	20
2	II	20
3	III	16
4	IV	16
Total		72

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Course Structure

Semester I

Course Code	Course Title	Course Area	Periods			Credit	Course Total
			L	T	P		
1 ECL-6101	Optical Communication & Networks	DCC	4	0	0	4	100
2 ECL-6102	Advanced Digital Communication Systems	DCC	4	0	0	4	100
3 ECL-6103	Information and Communication Theory	DCC	4	0	0	4	100
4 ECL-6104	Mobile Communication	DCC	4	0	0	4	100
5	MOOC Course-I	DEC	2	0	0	2	100
6 ECP-6101	Optical Communication & Networks Lab	DCC	0	0	2	1	100
7 ECP-6102	Advanced Digital Communication Systems Lab	DCC	0	0	2	1	100
Total			18	0	4	20	700
Periods/Week			22				
Semester Credit			20				

DCC: Departmental Core Course, DEC: Departmental Elective Course

Note: MOOC course may be completed through NPTEL/SWAYAM/GIAN or any other mode in consultation with respective department



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Semester II

Course Code	Course	Course Area	Periods			Credit	Course Total	
			L	T	P			
1	ECL-6201	Data Communication and Networking	DCC	4	0	0	4	100
2	ECL-6202	Advanced Digital Signal Processing	DCC	4	0	0	4	100
3		Elective-I	DEC	4	0	0	4	100
4		Elective-II	DEC	4	0	0	4	100
5		MOOC Course-II	DEC	2	0	0	2	100
6	ECP-6201	Data Communication and Networking Lab	DCC	0	0	2	1	100
7	ECP-6202	Advanced Digital Signal Processing Lab	DCC	0	0	2	1	100
Total				18	0	4	20	700
Periods/Week							22	
Semester Credit							20	

Elective -I (Any One)	
Course Code	Course Name
ECL-6203	Communication Networks and Switching
ECL-6204	Microwave & Satellite Communication
ECL-6205	Advanced Antenna Design
	Any other course offered by the department

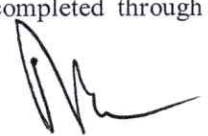
Elective -II (Any One)	
Course Code	Course Name
ECL-6206	Wireless Communication and Networks
ECL-6207	Spread Spectrum and CDMA Systems
ECL-6208	Advanced Digital Image Processing
	Any other course offered by the department



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DCC: Departmental Core Course, DEC: Departmental Elective Course

Note: MOOC course may be completed through NPTEL/SWAYAM/GIAN or any other mode in consultation with respective department



Semester III

Course Code	Course	Course Area	Periods			Credit	Course Total
			L	T	P		
1	Elective-III	DEC	4	0	0	4	100
2	MOOC Course-III	DEC	2	0	0	2	100
3	ECS-7101 Seminar	DCC	0	0	2	2	100
4	ECD-7101 Dissertation Part-I	DCC	0	0	16	8	200
Total			6	0	18	16	500
Periods/Week			24				
Semester Credit			16				

Elective -III (Any One)	
Course Code	Course Name
ECL-7101	Wireless Sensor Networks
ECL-7102	Wireless Adhoc Networks
ECL-7103	Speech & Audio Processing
	Any other course offered by the department

DCC: Departmental Core Course, DEC: Departmental Elective Course

Note: MOOC course may be completed through NPTEL/SWAYAM/GIAN or any other mode in consultation with respective department



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Semester IV

Course Code	Course	Course Area	Periods			Credit	Course Total
			L	T	P		
1	ECD-7201	Dissertation Part-II & Viva Voce	0	0	32	16	400
Total			0	0	32	16	400
Periods/Week			32				
Semester Credit			16				



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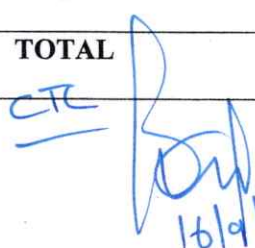
Course Structure
BFA (Foundation-Painting /Applied art)

Semester I

Course Code	Course Title	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-1111	Drawing	DCC	0	0	8	4	100	BFA(Foundation)
VAP-1112	Design 2D	DCC	0	0	8	4	100	BFA(Foundation)
VAP-1113	Design 3D	DCC	0	0	8	4	100	BFA(Foundation)
VAL-1111	Indian Culture & Art	GE	3	0	0	3	100	BFA(Foundation)
VAL-1112	Appreciation and Fundamentals of Visual Arts	GE	3	0	0	3	100	BFA(Foundation)
ENL-1100	Communicative English - I	AECC	2	0	0	2	100	All
TOTAL			8	0	24	20	600	

Semester II BFA (Foundation-Painting /Applied art)

Course Code	Course Title	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-1211	Drawing (Life\Object)	DCC	1	0	8	5	100	BFA(Foundation)
VAP-1212	Colour Theory	DCC	1	0	8	5	100	BFA(Foundation)
VAL-1211	Aesthetics of Indian Art	GE	3	0	0	3	100	BFA(Foundation)
VAL-1212	Study Material & Method	GE	3	0	0	3	100	BFA(Foundation)
ENL-1200	Communicative English - II	AECC	2	0	0	2	100	All
AGL-1200	Environmental Studies	AECC	2	0	0	2	100	All
TOTAL			12	0	16	20	600	


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Value Added Courses

Course Code	Course Name	Credits	Marks
	Value Added Course	2 (30 clock hours duration)	100

Semester III BFA(Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-2111	Drawing (Life/Object)	DCC	0	0	8	4	100	BFA & Bridge course
VAP-2112	Elementary Composition	DCC	0	0	8	4	100	BFA & Bridge course
VAP-2113	Portrait Painting	DCC	0	0	8	4	100	BFA & Bridge course
VAL-2111	History of Indian art (Pre-Historic)	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-2112	History of Western art (Pre-Historic)	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-I	SEC	2	0	4	4	100	BFA (Painting & Applied art)
TOTAL			8	0	28	22	600	

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Semester IVBFA(Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-2211	Drawing Study from nature	DCC	0	0	8	4	100	BFA(Painting)
VAP-2212	Pictorial Composition	DCC	0	0	8	4	100	BFA(Painting)
VAP-2213	Portrait Painting	DCC	0	0	8	4	100	BFA(Painting)
VAL-2211	History of Indian art (Medieval to Modern)	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-2212	History of European art(Medieval to Modern)	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-II	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

Semester VBFA(Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP- 3111	Still life in Oil-I .	DCC	0	0	8	4	100	BFA(Painting)
VAP-3112	Study from nature in Oil-I	DCC	0	0	8	4	100	BFA(Painting)
VAP-3113	Head study in Oil-I	DCC	0	0	8	4	100	BFA(Painting)
VAL-3111	Indian Modern and Contemporary Art	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-3112	History of Advertising art & Printing	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-III	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

Semester VIBFA(Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-3211	Still life in Oil-II	DCC	0	0	8	4	100	BFA(Painting)
VAP-3212	Study from nature in Oil-II	DCC	0	0	8	4	100	BFA(Painting)
VAP-3213	Head study in Oil-II	DCC	0	0	8	4	100	BFA(Painting)
VAL-3211	Study of Western art	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-3212	Modern Advertising & Practice	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-IV	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

Semester VIIBFA(Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-4111	Study from nature in Oil-III	DCC	0	0	8	4	100	BFA(Painting)
VAP-4112	Human figure study in Oil-I	DCC	0	0	8	4	100	BFA(Painting)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Open elective	OEC	2	0	0	2	100	All
VAD 4111	Project-1	DCC	4	0	0	4	100	BFA (Painting & Applied art)
TOTAL			10	0	24	22	600	

Semester VIII BFA (Painting)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-4211	Study from nature in Oil-IV	DCC	0	0	8	4	100	BFA (Painting)
VAP-4212	Human figure study in Oil-II	DCC	0	0	8	4	100	BFA (Painting)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Open elective	OEC	2	0	0	2	100	BFA (Painting & Applied art)
VAD-4211	Project-2	DCC	4	0	0	4	100	BFA (Painting & Applied art)
TOTAL			10	0	24	22	600	

- DCC - Departmental Core Course
- AECC - Ability Enhancement Compulsory Course
- GE - Generic Elective
- OE - Open Elective
- DSE - Discipline Specific Elective

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Semester III BFA(AppliedArts)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-2115	Graphic Design/ Computer Graphics	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-2116	Lettering: Calligraphy / Typography	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-2117	Photography and Reproduction Techniques	DCC	0	0	8	4	100	BFA (Applied Art)
VAL-2111	History of Indian art (Pre-Historic)	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-2112	History of Western art (Pre-Historic)	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-I	SEC	2	0	4	4	100	ALL
TOTAL			8	0	28	22	600	


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Semester IVBFA(Applied Arts)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-2215	Graphic Design	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-2216	Lettering: Calligraphy / Typography/	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-2217	Theme Based Illustration	DCC	0	0	8	4	100	BFA (Applied Art)
VAL-2211	History of Indian art (Medieval to Modern)	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-2212	History of European art(Medieval to Modern)	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-II	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

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Semester VBFA(AppliedArt)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-3115	Photography & Graphic Design	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-3116	Illustration	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-3117	Drawing	DCC	0	0	8	4	100	BFA (Applied Art)
VAL-3111	Indian Modern and Contemporary Art	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-3112	History of Advertising art & Printing	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-III	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

Semester VI BFA(AppliedArt)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-3215	Photography & Graphic Design	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-3216	Illustration	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-3217	Drawing and Scatching	DCC	0	0	8	4	100	BFA (Applied Art)
VAL-3211	Study of Western art	GE	3	0	0	3	100	BFA (Painting & Applied art)
VAL-3212	Modern Advertising & Practice	GE	3	0	0	3	100	BFA (Painting & Applied art)
	Skill Enhancement Course-IV	SEC	2	0	4	4	100	All
TOTAL			8	0	28	22	600	

Semester VII BFA(Applied Art)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-4115	Graphic Design	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-4116	Poster Design	DCC	0	0	8	4	100	BFA (Applied Art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Applied Art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Open elective	OEC	2	0	0	2	100	All
VAD 4115	Project-1	DCC	4	0	0	4	100	BFA (Painting & Applied art)
TOTAL			10	0	24	22	600	

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Semester VIII, BFA(Applied Art)

Course Code	Course Name	Course Area	Periods			Credits	Marks	Common to programs
			L	T	P			
VAP-4215	Graphic Design	DCC	0	0	8	4	100	BFA (Applied Art)
VAP-4216	Photography & Reproduction Techniques	DCC	0	0	8	4	100	BFA (Applied Art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Applied Art)
	Discipline Specific Elective	DSE	2	0	4	4	100	BFA (Painting & Applied art)
	Open elective	OEC	2	0	0	2	100	BFA (Painting & Applied art)
VAD- 4215	Project-2	DCC	4	0	0	4	100	BFA (Painting & Applied art)
TOTAL			10	0	24	22	600	

- DCC - Departmental Core Course
- AECC - Ability Enhancement Compulsory Course
- GE - Generic Elective
- OE - Open Elective
- DSE - Discipline Specific Elective

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Beswan, Aligarh

Course Structure
M.F.A. (Classical Dance- Kathak)

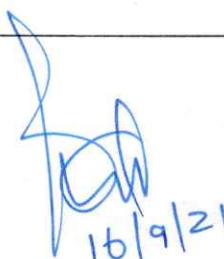
Semester-I

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 6111	History & Development of Music	DCC	5	0	0	5	100
PAL-6112	Application based music theory	DCC	5	0	0	5	100
PAP-6115	Techniques of Kathak Dance	DCC	2	0	8	6	100
PAP-6116	Practical-II Knowledge of Rythem Taal & Lahra	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400

Semester- II

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 6215	Study of different Schools of Kathak Dance	DCC	5	0	0	5	100
PAL-6216	Classical Dances of India	DCC	5	0	0	5	100
PAP-6215	Practical Demonstration/ Stage Performance	DCC	2	0	8	6	100
PAD-6215	Project	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400

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Semester-III

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 7115	Study of ancient texts on Dance	DCC	5	0	0	5	100
PAL-7116	Study of Dancing Skills and Techniques of Kathak	DCC	5	0	0	5	100
PAP-7115	Stage Performance	DCC	2	0	8	6	100
PAD-7115	Project	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400

Semester-IV

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 7215	Development of Dance in Post independence period	DCC	5	0	0	5	100
PAL-7216	Contribution of Gurus in Kathak dance	DCC	5	0	0	5	100
PAP-7215	Stage Performance	DCC	2	0	8	6	100
PAD-7215	Project	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400

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M.F.A. (Hindustani Vocal Music)

Semester- I

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL-6111	History & Development of Music	DCC	5	0	0	5	100
PAL-6112	Application based music theory	DCC	5	0	0	5	100
PAP-6111	Practical I- Choice From Detail Raags	DCC	2	0	8	6	100
PAP-6112	Knowledge of other Forms	DCC	0	0	4	4	100
TOTAL			12	0	12	20	500

Semester- II

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 6211	Theoretical study of different Schools (Gharana) of Vocal traditions	DCC	5	0	0	5	100
PAL-6212	Study of Composition(Vandish) and Notation(Swarlipi)	DCC	5	0	0	5	100
PAP-6211	Practical Demonstration/ Stage Performance	DCC	2	0	8	6	100
PAD-6211	Project	DCC	0	0	4	4	100
TOTAL			12	0	14	20	400

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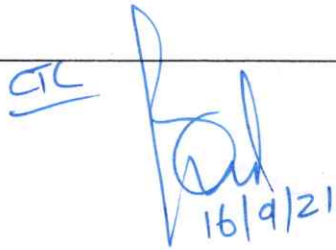


Semester- III

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 7111	Study of ancient texts on Music	DCC	5	0	0	5	100
PAL-7112	Analytical study of Ragas	DCC	5	0	0	5	100
PAP-7111	Stage Performance	DCC	2	0	8	6	100
PAD-7111	Project	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400

Semester- IV

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
PAL- 7211	Development of Music in Post independence period	DCC	5	0	0	5	100
PAL-7212	Contribution of Gurus in Hindustani music	DCC	5	0	0	5	100
PAP-7211	Stage Performance	DCC	2	0	8	6	100
PAD-7211	Project	DCC	0	0	4	4	100
TOTAL			12	0	12	20	400


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Mangalayatan University

Beswan, Aligarh – 202145

Curriculum

(Choice Based Credit System)

for

**Bachelor of Hotel
Management (BHM)**

**Department of Tourism & Hospitality Management
Institute of Business Management**

2020-21

Total Program Credits for Bachelor of Hotel Management (BHM)

S.N.	Semester	Credits
1	I	25
2	II	23
3	III	23
4	IV	25
5	V	24
6	VI	24
7	VII	24
8	VIII	26
Total		194

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.


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Anpam

Semester I

Course Code	Course Title	Course	Periods			Credit	Marks	Common to Programs
		Area	L	T	P			
THL-1101	Basic Food Production	DCC	3	1	0	4	100	BHM
THL-1102	Basic Food & Beverage Service	DCC	3	1	0	4	100	BHM
THL-1103	Basic Front Office Operation	DCC	3	1	0	4	100	BHM
THL-1104	Basic Hotel Housekeeping	DCC	3	1	0	4	100	BHM
AGL-1100	Environmental Studies	AECC	2	0	0	2	100	ALL
ENL-1100	Communicative English-I	AECC	2	0	0	2	100	ALL
THP-1101	Food Production Practical	DCC	0	0	4	2	100	BHM
THP-1102	Food & beverage Service Practical	DCC	0	0	2	1	100	BHM
THP-1103	Front Office Operation Practical	DCC	0	0	2	1	100	BHM
THP-1104	Hotel Housekeeping Practical	DCC	0	0	2	1	100	BHM
TOTAL			16	4	10	25	1000	


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Semester II

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
HL-1201	Food Production & Patisserie -II	DCC	3	1	0	4	100	BHM
HL-1202	Food & Beverage Service- II	DCC	3	1	0	4	100	BHM
HL-1203	Front Office Operation- II	DCC	3	1	0	4	100	BHM
HL-1204	Hotel Housekeeping-II	DCC	3	1	0	4	100	BHM
ENL-1200	Communicative English-II	AECC	2	0	0	2	100	All
HP-1201	Food Production & Patisserie Practical	DCC	0	0	4	2	100	BHM
IP-1202	Food & Beverage Service Practical	DCC	0	0	2	1	100	BHM
IP-1203	Front Office Operation Practical	DCC	0	0	2	1	100	BHM
IP-1204	Hotel Housekeeping Practical	DCC	0	0	2	1	100	BHM
TOTA			14	4	10	23	900	

DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course, AECC- Ability Enhancement Compulsory Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department


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Semester III

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THL-2101	Food Production & Patisserie -III	DCC	3	1	0	4	100	BHM
THL-2102	Food & Beverage Service-III	DCC	3	1	0	4	100	BHM
THL-2103	Front Office Operation-III	DCC	3	1	0	4	100	BHM
THL-2104	Hotel Housekeeping-III	DCC	3	1	0	4	100	BHM
THL-2105	Food Science	DCC	2	0	0	2	100	BHM
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
THP-2101	Food Production & Patisserie Practical	DCC	0	0	4	2	100	BHM
THP-2102	Food & Beverage Service Practical	DCC	0	0	2	1	100	BHM
THP-2103	Front Office Operation Practical	DCC	0	0	2	1	100	BHM
THP-2104	Hotel Housekeeping Practical	DCC	0	0	2	1	100	BHM
TOTAL			16	4	10	23	1000	

DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department


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Semester IV

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THL-2201	Food Production & Patisserie -IV	DCC	3	1	0	4	100	BHM
THL-2202	Food & beverage Service- IV	DCC	3	1	0	4	100	BHM
THL-2203	Front Office Operation-IV	DCC	3	1	0	4	100	BHM
THL-2204	Hotel Housekeeping-IV	DCC	3	1	0	4	100	BHM
THL-2205	Hotel Accountancy	DCC	3	1	0	4	100	BHM
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
THP-2201	Food Production & Patisserie Practical	DCC	0	0	4	2	100	BHM
THP-2202	Food & Beverage Service Practical	DCC	0	0	2	1	100	BHM
THP-2203	Front Office Operation Practical	DCC	0	0	2	1	100	BHM
THP-2204	Hotel Housekeeping Practical	DCC	0	0	2	1	100	BHM
TOTAL			17	5	10	25	1000	

(DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.


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Semester V

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THL-3101	Food Production & Patisserie -V	DCC	3	1	0	4	100	BHM
THL-3102	Food & beverage Service- V	DCC	3	1	0	4	100	BHM
THL-3103	Front Office Operation-V	DCC	3	1	0	4	100	BHM
THL-3104	Hotel Housekeeping-V	DCC	3	1	0	4	100	BHM
THL-3105	Indian Cultural Heritage	DCC	3	0	0	3	100	BHM
	Value Added Course offered by the University	VAC	2	0	0	0	100	All
THP-3101	Food Production & Patisserie Practical	DCC	0	0	4	2	100	BHM
THP-3102	Food & Beverage Service Practical	DCC	0	0	2	1	100	BHM
THP-3103	Front Office Operation Practical	DCC	0	0	2	1	100	BHM
THP-3104	Hotel Housekeeping Practical	DCC	0	0	2	1	100	BHM
TOTAL			17	4	10	24	1000	

DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.
2. The Internship (20-22weeks) conducted during sixth semester after this it will be assessed during VI Semester examination.


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Semester VI

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THT-3201	Industrial Training Viva-Voce	DCC	0	0	0	6	100	BHM
THT-3202	Industrial Training Report Presentation	DCC	0	0	0	6	100	BHM
THT-3203	Industrial Training Log Book	DCC	0	0	0	6	100	BHM
THT-3204	Industrial Training Report	DCC	0	0	0	6	100	BHM
TOTAL			0	0	0	24	400	

DCC - Departmental Core Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.


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Semester VII

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THL-4101	Facility Planning-I	DCC	3	1	0	4	100	BHM
THL-4102	French Language-I	DCC	3	1	0	4	100	BHM
THL-4103	Hotel Law	DCC	3	1	0	4	100	BHM
THL-4104	Hospitality Marketing Management	DCC	3	1	0	4	100	BHM
THL-4105	Human Resource Management	DCC	2	0	0	2	100	BHM
THL-4106	Financial management	DCC	2	0	0	2	100	BHM
THL-4107	Food and Beverage Management	DCC	3	1	0	4	100	BHM
TOTAL			19	4	0	24	700	

DCC - Departmental Core Course

Note:

- Any one theory course may be completed through MOOC/ NITEL/ GIAN/SWAYAM portal etc. in consultation with respective department.


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Semester VIII

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to programs
			L	T	P			
THL-4201	Application of Computers	DCC	3	1	0	4	100	BHM
THL-4202	ENVIRONMENTAL MANAGEMENT	DCC	3	1	0	4	100	BHM
THL-4203	Marketing and Sales Management	DCC	3	1	0	4	100	BHM
THL-4204	Research Methodology	DCC	2	0	0	2	100	BHM
	Elective Subject Project Report	DEC	0	0	0	6	100	BHM
	Elective Subject Project Report Presentation	DEC	0	0	0	6	100	BHM
TOTAL			11	3	0	26	600	BHM

Total Program Credit: 194

Departmental Elective Courses		
S. No.	Course Code	Course
1	THT-4205	Food Production & Patisserie
2	THT-4206	Food & beverage Service
3	THT-4207	Front Office Operation
4	THT-4208	Hotel Housekeeping

DCC - Departmental Core Course, DEC: Departmental Elective Course

Note:

- Any one theory course may be completed through MOOC/ NPTTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.


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Course Structure

SEMESTER - I

S. No.	Sub Code		Subjects	Subject Area	Periods			Credits
1	UG 01	BHM-101	Introduction to Hospitality	DCC	4	0	0	4
2	UG 01	BHM-102	Business Organization & Management Functions	DCC	4	0	0	4
3	UG 01	BHM-103	Introduction to Travel & Tourism Industry	DCC	4	0	0	4
4	UG 01	BHM-104	Introduction to Aviation	DCC	4	0	0	4
5	UG 01	GS-101	Essentials of Language and Communication -I	GC	3	0	0	3
6	UG 01	GS-102	General Awareness	GC	3	0	0	3
7	UG 01	GS-103	Computer Fundamentals	GC	3	0	0	3
TOTAL					25	0	0	25
Total Semester Hours					25			
Total Semester Credits					25			
DCC - Departmental Core Course, GC- General Course								

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A.V.P.

SEMESTER -II

S. No.	Sub Code		Subjects	Subject Area	Periods			Credits
1	UG 01	BHM-201	Food Production & Patisserie	DCC	3	0	0	3
2	UG 01	BHM-202	Food & Beverage Services	DCC	3	0	0	3
3	UG 01	BHM-203	Front Office Operations	DCC	3	0	0	3
4	UG 01	BHM-204	Housekeeping Operations	DCC	3	0	0	3
5	UG 01	GS-201	Essentials of Language and Communication –II	GC	3	0	0	3
6	UG 01	GS-202	Reasoning and Mental Ability	GC	3	0	0	3
7	UG 01	GS-203	PC Software	GC	3	0	0	3
8	UG 01	GS-253	PC Software Lab.	GC	0	0	2	1

PRACTICALS

1	UG 01	BHM-251	Food Production & Patisserie Practical	DCC			4	2
2	UG 01	BHM-252	Food & Beverage Services Practical	DCC			2	1
3	UG 01	BHM-253	Front Office Operations Practical	DCC			1	0.5
4	UG 01	BHM-254	Housekeeping Operations Practical	DCC			1	0.5
TOTAL					21	0	10	26
Total Semester Hours					31			
Total Semester Credits					26			

DCC - Departmental Core Course, GC- General Course


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Arjun

SEMESTER -III

S. No.	Sub Code	Subjects	Subject Area	Periods			Credits	
1	UG 01	BHM-301	Food Production & Patisserie	DCC	3	0	0	3
2	UG 01	BHM-302	Food & Beverage Services	DCC	3	0	0	3
3	UG 01	BHM-303	Accommodation operations	DCC	3	0	0	3
4	UG 01	BHM-305	Hospitality Marketing	DCC	3	0	0	3
5	UG 01	GS-301	Advanced Language and Communication-I	GC	3	0	0	3
6	UG 01	GS-303	Value Education	GC	2	0	0	2
7	UG 01	GS-304	Research Methodology	GC	2	0	0	2
8	UG 01	GSOX- 30Y	Open Elective	OE	3	0	0	3
PRACTICALS								
1	UG 01	BHM-351	Food Production & Patisserie Practical	DCC			4	2
2	UG 01	BHM-352	Food & Beverage Services Practical	DCC			2	1
3	UG 01	BHM-353	Accommodation operations Practical	DCC			2	1
TOTAL					22	0	8	26
Total Semester Hours					30			
Total Semester Credits					26			

DCC - Departmental Core Course, GC- General Course, OE- Open electiv


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Arjun

SEMESTER -IV								
S. No.	Sub Code		Subjects	Subject Area	Periods			Credits
1	UG 01	BHM-401	Basic Hotel Accounting	DCC	4	0	0	4
2	UG 01	BHM-402	Hospitality & Tourism Laws	DCC	3	0	0	3
3	UG 01	BHM-403	Human Resource Management	DCC	4	0	0	4
4	UG 01	BHM-404	Food Science and Nutrition	DCC	3	0	0	3
5	UG 01	BHM-405	Facility Planning	DCC	4	0	0	4
6	UG 01	GS-403	Environmental Studies	GC	2	0	0	2
TOTAL					20	0	0	20
Total Semester Hours					20			
Total Semester Credits					20			

DCC - Departmental Core Course, GC- General Course, OE- Open electiv

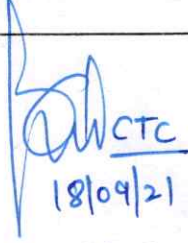
SEMESTER -V								
S. No.	Sub Code		Subjects	Subject Area	Periods			Credits
1	UG 01	BHM-501	Food Production & Patisserie	DCC	3	0	0	3
2	UG 01	BHM-502	Food & Beverage Management	DCC	3	0	0	3
3	UG 01	BHM-503	Front Office Management	DCC	3	0	0	3
4	UG 01	BHM-504	Housekeeping Management	DCC	3	0	0	3
5	UG 01	BBA-501	Business Ethics	DCC	4	0	0	4
PRACTICAL								
1	UG 01	BHM-551	Food Production & Patisserie Practical	DCC			4	2
2	UG 01	BHM-552	Food & Beverage Management Practical	DCC			2	1
3	UG 01	BHM-553	Front Office Management Practical	DCC			1	0.5
4	UG 01	BHM-554	Housekeeping Management Practical	DCC			1	0.5
TOTAL					20	0	8	24
Total Semester Hours					28			
Total Semester Credits					24			

DCC - Departmental Core Course, GC- General Course, OE- Open elective, DE- Departmental Electives

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SEMESTER -VI								
S. No.	Sub Code		Subjects	Subject Area	Periods			Credits
1	UG 01	BHM-601	Industrial Internship & Viva Voce	DCC	0	0	0	20
2	UG 01	BHM-602	Industrial Training Report & Viva Voce	DCC	0	0	0	4
3	UG 01	BHM-603	Training Log Book	DCC	0	0	0	3
TOTAL					0	0	0	27
Total Semester Hours					0			
Total Semester Credits					27			
DCC - Departmental Core Course, GC- General Course, OE- Open electiv, DE- Departmental Electiv								


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Total Program Credits for B.L.I.Sc (Bachelor of Library and Information Science)

S.N.	Semester	Credits
1	I	22
2	II	22
Total		44

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.

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Course Structure

Semester I

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
LSL-1101	Fundamental of Library & Information Science	DCC	4	0	0	4	100	All
LSL-1102	Library Classification (Theory)	DCC	4	0	0	4	100	All
LSL-1103	Library Classification (Practice DDC)	DCC	4	0	0	4	100	All
LSL-1104	Application of Information Technology in Libraries and Information Centres (Theory)	DCC	4	0	0	4	100	All
LSL-1105	Information Processing and Retrieval	DCC	4	0	0	4	100	All
LSP-1106	Application of Information Technology in Libraries and Information Centres (Practical)	DCC	0	0	4	2	50	All
TOTAL			20	0	4	22	550	

B.L.I.Sc- Bachelor of Library and Information Science Course.

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Semester II

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
LSL-1107	Management of Library and Information Centers	DCC	4	0	0	4	100	All
LSL-1108	Library Cataloguing (Theory)	DCC	4	0	0	4	100	All
LSL-1109	Library Cataloguing (Practice)	DCC	4	0	0	4	100	All
LSL-1110	Reference Sources and Services	DCC	4	0	0	4	100	All
LSL-1111	Library Classification (Practice CC & UDC)	DCC	4	0	0	4	100	All
LSI-1112	Educational Tour & Viva-Voce	DCC	0	0	0	2	100	All
TOTAL			20	0	0	22	600	

B.L.I.Sc- Bachelor of Library & Information Science Course.

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Total Program Credits for M.L.I.Sc(Master of Library and Information Science)

S.N.	Semester	Credits
1	I	22
2	II	24
Total		46

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.

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Course Structure

Semester I

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
LSL-6121	Information Sources and Systems	DCC	4	0	0	4	100	All
LSL-6122	Library Classification (Theory)	DCC	4	0	0	4	100	All
LSL-6123	Library Classification (Practice)	DCC	4	0	0	4	100	All
LSL-6124	Applications of Information Technology in LIS (Theory)	DCC	4	0	0	4	100	All
LSL-6125	Research Methodology and Statistical Techniques	DCC	4	0	0	4	100	All
LSP-6126	Applications of Information Technology in LIS (Practical)	DCC	0	0	4	2	100	All
TOTAL			20	0	4	22	600	

M.L.I.Sc- Master of Library and Information Science Course.

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Semester II

Course Code	Course Title	Course Area	Periods			Credit	Marks	Common to Programs
			L	T	P			
LSL-6227	Academic Library and Information System	DCC	4	0	0	4	100	All
LSL-6228	Information Storage and Retrieval System	DCC	4	0	0	4	100	All
LSL-6229	Library Cataloguing (Theory)	DCC	4	0	0	4	100	All
LSL-6230	Library Cataloguing (Practice)	DCC	4	0	0	4	100	All
LSL-6231	Knowledge, Information, Communication and Marketing	DCC	4	0	0	4	100	All
LSD-6232	Dissertations and Viva-Voce	DCC	0	0	8	4	100	All
TOTAL			20	0	8	24	600	

M.L.I.Sc- Master of Library & Information Science Course.

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Bachelor of Journalism & Mass Communication (BA-JMC)

SEMESTER I (2020-21 Batch & onwards)													
S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Major Th	Subject Total
				L	T	P		Minor-I	Minor-II	CAT/CAP	Total		
1	JML-1101	Introduction to Mass Communication	DCC	4	0	0	4	20	20	10	50	50	100
2	JML-1102	Hindi	DCC	4	0	0	4	20	20	10	50	50	100
3	JML-1103	Political Science	DCC	3	1	0	4	20	20	10	50	50	100
4	ENL-1100	Communicative English-I	AECC	2	0	0	2	20	20	10	50	50	100
5	CML-1104	Micro Economics	GE	4	0	0	4	20	20	10	50	50	100
TOTAL				17	1	0	18	100	100	50	250	250	500
Total Semester Hours							18						
Total Semester Credits							18						
DCC - Departmental Core Course, AEC- Ability Enhancement Compulsory Course, Generic Elective													

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Mangalayan University
Beswan, Aligarh

SEMESTER II (2020-21 Batch & onwards)

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Major Th	Subject Total
				L	T	P		Minor-I	Minor-II	CAT/CAP	Total		
1	JML-1201	Writing and Reporting for Print Media	DCC	3	1	0	4	20	20	10	50	50	100
2	JML-1202	New Media & Online Journalism	DCC	3	1	0	4	20	20	10	50	50	100
3	JML-1203	History and Growth of Media In India	DCC	4	0	0	4	20	20	10	50	50	100
4	ENL-1200	Communicative English-II	AECC	2	0	0	2	20	20	10	50	50	100
5	AGL-1200	Environmental Studies	AECC	2	0	0	2	20	20	10	50	50	100
6	JML-1204	Introduction To Event Management	GE	4	0	0	4	20	20	10	50	50	100
7	JMP-1201	Print Journalism Lab	DCC	0	0	4	2	0	20	30	50	50	100
TOTAL				18	2	4	22	120	140	90	350	350	700
Total Semester Hours							24						
Total Semester Credits							22						
DCC - Departmental Core Course, AEC- Ability Enhancement Compulsory Course													


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SEMESTER III (2020-21 Batch & onwards)

S. No.	Subject Code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Majors Th/Pr	Subject Total
				L	T	P		Minor -I	Minor -II	CAT/CAP	Total		
1	JML-2101	Radio and Television Production	DCC	4	0	0	4	20	20	10	50	50	100
2	JML-2102	Media Law & Ethics	DCC	3	1	0	4	20	20	10	50	50	100
3	JML-2103	Advertising and Public Relations	DCC	3	1	0	4	20	20	10	50	50	100
4	JML-2104	Still Photography	GE	4	0	0	4	20	20	10	50	50	100
5	JMP-2101	Radio and Television Production Lab	DCC	0	0	2	1	0	20	30	50	50	100
6	JMP-2102	Advertising and Public Relations Lab	DCC	0	0	2	1	0	20	30	50	50	100
TOTAL				14	2	4	18	80	120	100	300	300	600
Total Semester Hours							20						
Total Semester Credits							18						
DCC - Departmental Core Course, GE- Generic Elective													
SEC - Skill Enhancement Course													

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SEMESTER IV (2020-21 Batch & onwards)													
S.No.	Subject Code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Majors	Subject Total
				L	T	P		Minor -I	Minor -II	CAT/CAP	Total		
1	JML-2201	Graphics & Design	DCC	4	0	0	4	20	20	10	50	50	100
2	JML-2202	Media and International Politics	DCC	3	1	0	4	20	20	10	50	50	100
3	JML-2203	Development Communication	DCC	4	0	0	4	20	20	10	50	50	100
4	JMO-0001	Open Elective-1	OE	4	0	0	4	20	20	10	50	50	100
5	JMP-2201	Graphics & Design Lab	DCC	0	0	4	2	20	20	30	50	50	100
6	JML-2204	Basics of Camera, Light and Sound	GE	4	0	0	4	20	20	10	50	50	100
7	JML-2205	Film and Documentary Making/Computer Fundamentals (opt any one)	SEC	3	0	0	3	20	20	10	50	50	100
TOTAL				22	1	2	25	100	120	60	350	350	600
Total Semester Hours							25						
Total Semester Credits							25						
DCC - Departmental Core Course, GE- Generic Elective													
SEC - Skill Enhancement Course													

"Skill Enhancement Course (any two) (Credit: 03 each) - SEC 1 to SEC 2

1. Basic skill of Writing
2. Animation and Digital Arts
3. Film and Documentary Making
4. Mobile Journalism
5. Computer Fundamentals/Industrial Visit"

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SEMESTER V (2020-21 Batch & onwards)													
S. No	Subject code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Majors Th	Subject Total
				L	T	P		Minor -I	Minor -II	CAT/CAP	Total		
1	JML-3101	Communication Research	DCC	3	1	0	4	20	20	10	50	50	100
2	JML-3102	Media Management	DCC	4	0	0	4	20	20	10	50	50	100
3	JMP-3101	Film Lab	DCC	0	0	4	2	-	20	30	50	50	100
3	JML-3103	Broadcasting & Film Production Management	DCC	3	1	0	4	20	20	10	50	50	100
4	JML3104	Animation and Digital Arts/Basic skill of Writing(opt any one)	SEC	3	0	0	3	20	20	10	50	50	100
5	JML3105	Introduction to Cinema Studies	DSE	4	0	0	4	20	20	10	50	50	100
6	JMT-3101	Summer Internship	DSE	4	0	0	4	20	20	20	50	50	100
TOTAL				21	2	4	25	20	20	10	50	50	100
Total Semester Hours				27									
Total Semester Credits				25									

DSE - Discipline Specific Course, SEC - Skill Enhancement Course

"Discipline Specific Course


1. Media, Human Rights and Gender Discourse, 2. Introduction to Cinema Studies, 3. Summer Internship, 4. Internship and Presentation, 5. Comprehensive Viva-Voca, 6. Cinema Society and Popular Culture, 7. Media Management "


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SEMESTER VI (2020-21 Batch & onwards)													
S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Internal Assessment Marks				Majors Th	Subject Total
				L	T	P		Minor -I	Minor -II	CAT/CAP	Total		
1	JMD-3201	Dissertation	DCC	4	0	0	4	20	20	10	50	50	100
2	JMT-3201	Internship & Presentation	DSE	4	0	0	4	20	20	10	50	50	100
3	JMI-3201	Comprehensive Viva-Voca	DSE	4	0	0	4	20	20	10	50	50	100
TOTAL				12	0	0	12	60	60	30	150	150	300
Total Semester Hours				12									
Total Semester Credits				12									


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**MASTER OF ARTS - JOURNALISM AND MASS
COMMUNICATION (MA-JMC)-2020-22**

SEMESTER - I

S. No.	Sub Code		Subjects	Subject Area	Periods			Credits	Remarks
					L	T	P		
1.	PG 06	JML-6101	Principles of Mass Communication	DCC	3	1	0	4	
2.	PG 06	JML-6102	Reporting for Print and Electronic Media	DCC	3	1	0	4	
3.	PG 06	JML-6103	Development of Media in India	DCC	4	0	0	4	
4.	PG 06	JML-6104	Advertising and Public Relations	DCC	3	1	0	4	
5.	PG 06	JML-6105	Still Photography and Visual Communication	DCC	3	1	0	4	
6.	PG 06	JML-6106	Indian Culture, Society and Human Values	AECC	2	0	0	2	
7.	PG 06	JMP-6101	Print and Electronic Media Lab	DCC	0	0	2	1	
8.	PG 06	JMP-6102	Advertising and Public Relations Lab	DCC	0	0	2	1	
TOTAL					18	4	4	24	
Total Semester Hours					26				
Total Semester Credits					24				

DCC - Departmental Core Course, AECC-Ability Enhancement Compulsory Course

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SEMESTER – II

S. No	Sub Code		Subjects	Subject Area	Periods			Credits	Remarks
					L	T	P		
1.	PG 06	JML-6201	New Media and Online Journalism	DCC	3	1	0	4	
2.	PG 06	JML-6202	Development Communication	DCC	4	0	0	4	
3.	PG 06	JML-6203	Communication Research	DCC	3	1	0	4	
4.	PG 06	JML-6204	Media Laws & Ethics	DCC	3	1	0	4	
5.	PG 06	JML-6205	Global Media	DCC	4	0	0	4	
6.	PG 06	JML-6206	Human Rights and Media	AECC	2	0	0	2	
PRACTICAL									
1.	PG 06	JMP-6201	New Media Lab	DCC	0	0	2	1	
TOTAL					19	3	2	23	
Total Semester Hours								24	
Total Semester Credits								23	

DCC - Departmental Core Course, AECC-Ability Enhancement Compulsory Course

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SEMESTER - III

S. No	Sub Code		Subjects	Subject Area	Periods			Credits	Remarks
					L	T	P		
1.	PG 06	JML-7101	Radio and Television Production	DCC	3	1	0	4	
2.	PG 06	JML-7102	Media Management and Practices	DSE	4	0	0	4	
3.	PG 06	JML-7103	Photo and Web Journalism	DSE	3	1	0	4	
4.	PG 06	JML-7104	Media Writing Skills	SEC	2	0	0	2	
5.	PG 06	JML-7105	Film Studies	SEC	2	0	0	2	
PRACTICAL									
1.	PG 06	JMP-7101	Radio and Television Production Lab.	DCC	0	0	2	1	
TOTAL					14	2	2	17	
Total Semester Hours					18				
Total Semester Credits					17				

DCC - Departmental Core Course, DSE- Discipline Specific Elective Course SEC- Skill Enhancement Course

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SEMESTER - IV

S. No.	Sub Code		Subjects	Subject Area	Periods			Credits	Remarks
					L	T	P		
1.	PG 06	JMD-7201	Dissertation	DCC	0	4	12	10	
2.	PG 06	JMT-7201	Internship Report and Presentation	DSE	0	0	6	5	
3.	PG 06	JMI-7201	Comprehensive Viva-Voce Exam	DSE	0	0	10	5	
TOTAL					0	4	28	20	
Total Semester Hours					32				
Total Semester Credits					20				

DCC - Departmental Core Course; DSE- Discipline Specific Elective Course SEC- Skill Enhancement Course


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Course Structure
Programs Offered

Undergraduate Programs	Session	Programs Code
1. B.C.A	2020-21	CSL

Total Program Credits for B.C.A.

S.N.	Semester	Credits
1	I	22
2	II	18
3	III	22
4	IV	18
5	V	22
6	VI	18
Total		120

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.


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Course Structure

B.C.A

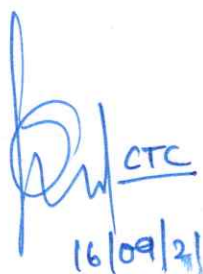
Semester-I

Course Code			Course	Course Area	Periods			Credit	Subject Total
THEORY					L	T	P		
1	UG	MAL1101	Applied Mathematics-I	BSC	3	1	0	4	100
2	UG	CSL1100	Computer Fundamentals	DCC	3	0	0	3	100
3	UG	CSL1102	C Programming	DCC	3	1	0	4	100
4	UG	CSL1103	Logical Organisation of Computers	DCC	3	1	0	4	100
5	UG	CSL1104	Management Information System	DCC	3	1	0	4	100
6	UG	ENL1100	Communicative English-I	HMC	2	0	0	2	100

PRACTICAL

1	UG	GSP1102	C Programming Lab	DCC	0	0	2	1	100
				Total	17	4	2	22	700
				Periods/Week	23				
				Semester Credit	22				

BSC-Basic Science Course,DCC - Departmental Core Course, GC -General Course, OE- Open Elective,HMC-Humanities Management Course,VAC-Value Added Course


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Mangalayatan University
Beswan, Aligarh

Course Structure

B.C.A

Semester-II

Course Code		Course	Course Area	Periods			Credit	Subject Total	
				L	T	P			
THEORY									
1	UG	MAL1201	Applied Mathematics-II	BSC	3	1	0	4	100
2	UG	CSL1201	Object Oriented Programming and UML using C++	DCC	3	1	0	4	100
3	UG	CSL1202	Web Technology	DCC	3	1	0	4	100
4	UG	AGL1100	Environmental Studies	ESC	2	0	0	2	100
5	UG	ENL1200	Communicative English-II	HMC	2	0	0	2	100
Practical									
1	UG	CSP1201	Object Oriented Programming and UML using C++ Lab	DCC	0	0	2	1	100
2	UG	CSP1202	Web Technology Lab	DCC	0	0	2	1	100
TOTAL					13	3	4	18	700
Periods/Week					20				
Semester Credit					18				

BSC-Basic Science Course, DCC - Departmental Core Course, GC -General Course, OE- Open Elective, HMC-Humanities Management Course, VAC-Value Added Course


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Course Structure

B.C.A

Semester-III


Course Code		Course	Course Area	Periods			Credit	Subject Total	
THEORY				L	T	P			
1	UG	MAL2102	Computer Based Numerical Methods	BSC		1	0	4	100
2	UG	CSL2101	Data Structure	DCC	3	1	0	4	100
3	UG	CSL2102	Database Management System	DCC	3	1	0	4	100
4	UG	CSL2106	Computer Graphics and Multimedia	DCC	3	1	0	4	100
5	UG		Value Added Course Offered by University	VAC	2	0	0	0	100

Practical

1	UG	CSP2101	Data Structures Lab	DCC	0	0	2	1	100
2	UG	CSP2102	Database Management System Lab	DCC	0	0	2	1	100
TOTAL					14	4	4	22	700
Periods/Week				26					
Semester Credit				22					

BSC-Basic Science Course, DCC - Departmental Core Course, GC -General Course, OE- Open Elective
HMC-Humanities Management Course, VAC-Value Added Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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Course Structure

B.C.A

Semester-IV

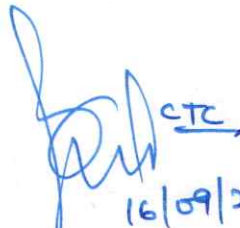
Course Code		Course		Course Area	Periods			Credit	Course Total
THEORY					L	T	P		
1	UG	CSL2201	Design and Analysis of Algorithm	DCC	3	1	0	4	100
2	UG	CSL2202	Operating Systems	DCC	3	1	0	4	100
3	UG	CSL2203	Computer Organization and Architecture	DCC	3	1	0	4	100
4	UG	MAL2201	Discrete Mathematics	BSC	3	1	0	4	100
5	UG		Value Added Course Offered by University	VAC	2	0	0	0	100


Practical

1	UG	CSP2201	Design and Analysis of Algorithm Lab	DCC	0	0	2	1	100
2	UG	CSD2201	Seminar/ Presentation	DCC	0	0	2	1	100
TOTAL					14	4	4	18	700
Periods/Week			22						
Semester Credit			18						

BSC-Basic Science Course, DCC - Departmental Core Course, GC -General Course, OE- Open Elective
 ,HMC-Humanities Management Course, VAC-Value Added Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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Course Structure

B.C.A

Semester-V

Course Code			Course	Course Area	Periods			Credit	Course Total
THEORY					L	T	P		
1	UG	CSL3101	Software Engineering	DCC	3	1	0	4	100
2	UG	CSL3102	Core Java	DCC	3	1	0	4	100
3	UG	CSL3103	Computer Networks	DCC	3	1	0	4	100
4	UG	CSL3104	Compiler Design & Architecture	DCC	3	1	0	4	100
5	UG		Departmental Elective Course-1	DCS	3	0	0	3	100

Practical

1	UG	CSP3101	Software Engineering Lab	DCC	0	0	2	1	100
2	UG	CSP3102	Core Java Lab	DCC	0	0	2	1	100
3	UG	CSD3101	Minor Project	DCC	0	0	2	1	100
TOTAL					15	4	6	22	800
Periods/Week			35						
Semester Credit			22						

Departmental Elective Courses-1

S.No.	Course Code	Course
1	CSL3105	System Programming
2	CSL3106	Cryptography & Cyber Security
3	CSL3107	Principle of Programming Languages
4		Any other offered by the department

BSC-Basic Science Course, DCC - Departmental Core Course, GC -General Course, OE- Open Elective
 ,HMC-Humanities Management Course, VAC-Value Added Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department

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Course Structure

B.C.A

Semester-VI

Course Code			Course	Course Area	Periods			Credit	Course Total
					L	T	P		
1	UG	CSD3201	Dissertation	DCC	0	0	36	18	700
TOTAL					0	0	36	18	700
Periods/Week		38							
Semester Credit		18							

BSC-Basic Science Course, DCC - Departmental Core Course, GC -General Course, OE- Open Elective
,HMC-Humanities Management Course, VAC-Value Added Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department

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Curriculum

Bachelor of Commerce(Hons.)

B.Com(Hons.)

**Department of Commerce
Faculty of Management and commerce**

2020-23

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Beswan, Aligarh

Total Program Credits for B.Com(Hons.)

S.N.	Semester	Credits
1	I	23
2	II	26
3	III	27
4	IV	26
5	V	21
6	VI	22
Total		145

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.

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Beswan, Aligarh

Course Structure Semester-I

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-1101	Fundamentals of Management & Organisational Behaviour	DCC	4	1	0	5	100
MGL-1102	Business Laws	DCC	4	1	0	5	100
CML-1103	Financial Accounting	DCC	4	1	0	5	100
Generic (Interdisciplinary) Elective(GE)-1(Any one of the following)							
CML-1104	Micro Economics	GE	4	0	0	4	100
MGL-1105	Insurance and Risk management	GE	4	0	0	4	100
Ability-Enhancement Compulsory Course (AECC)-1&2							
ENL-1100	Communicative English-I	AECC	2	0	0	2	100
AGL-1100	Environmental Studies	AECC	2	0	0	2	100
TOTAL			20	3	0	23	600

DCC - Departmental Core Course , GE- Generic (Interdisciplinary) Elective,
AECC- Ability-Enhancement Compulsory Course

Semester- II

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-1201	Fundamentals of Financial Management	DCC	4	1	0	5	100
CML-1201	Cost Accounting	DCC	4	1	0	5	100
CML-1202	Banking and Insurance	DCC	4	1	0	5	100
MGL-1204	Introduction to Marketing Essentials	DCC	4	1	0	5	100
Generic (Interdisciplinary) Elective(GE)-2(Any one of the following)							
CML-1203	Business Statistics	GE	4	0	0	4	100
MGL-1206	Project and Management Techniques	GE	4	0	0	4	100
Ability-Enhancement Compulsory Course (AECC)-3							
ENL-1200	Communicative English-II	AECC	2	0	0	2	100
TOTAL			22	4	0	26	600

DCC - Departmental Core Course , GE- Generic (Interdisciplinary) Elective,
AECC- Ability-Enhancement Compulsory Course

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Semester- III

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
CML-2101	Management Accounting	DCC	4	1	0	5	100
CML-2102	Research Methodology	DCC	4	1	0	5	100
MGL-2103	Human Resource Management	DCC	4	1	0	5	100
CML-2103	Business Mathematics	DCC	4	1	0	5	100
Generic (Interdisciplinary) Elective(GE)-2(Any one of the following)							
CML-2104	Macro Economics	GE	4	0	0	4	100
CML-2105	Investing in stock markets	GE	4	0	0	4	100
Skill-Enhancement Elective Course (SEC)-1(Any one of the following)							
CSL-1100	Computer Fundamentals	SEC	3	0	0	3	100
CML-2106	E-Commerce	SEC	3	0	0	3	100
TOTAL			23	4	0	27	600

DCC - Departmental Core Course , GE- Generic (Interdisciplinary) Elective,
SEC- Skill-Enhancement Elective

Semester- IV

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
MGL-2201	Business Ethics and Corporate Governance	DCC	4	1	0	5	100
CML-2201	Corporate Accounting	DCC	4	1	0	5	100
MGL-2204	Corporate Laws	DCC	4	1	0	5	100
Generic (Interdisciplinary) Elective(GE)-2(Any one of the following)							
CML-2202	Indian Economy	GE	4	0	0	4	100
CML-2203	Money & Public finance	GE	4	0	0	4	100
Skill-Enhancement Elective Course (SEC)-1(Any one of the following)							
MGL-2205	Entrepreneurship	SEC	3	0	0	3	100
MGL-2206	Training and Development	SEC	3	0	0	3	100
Open Elective							
OE	Open Elective	OE	4	0	0	4	100
TOTAL			23	3	0	26	700

DCC - Departmental Core Course , GE- Generic (Interdisciplinary) Elective,
SEC- Skill-Enhancement Elective, OE- Open Elective




Semester- V

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
CML-3101	Income Tax	DCC	4	1	0	5	100
Discipline Specific Elective (DSE)-1(Any one of the following)							
CML-3102	Financial Markets, Institutions and Financial Services	DSE	4	0	0	4	100
CML-3103	Advertising and Personal Selling	DSE	4	0	0	4	100
Discipline Specific Elective (DSE)-2&3 (Any two of the following for B.Com(Hons.))							
CML-3104	Fundamentals of Investment	DSE	4	0	0	4	100
CML-3105	Industrial Relations and Labour Laws	DSE	4	0	0	4	100
MGL-3142	International Business	DSE	4	0	0	4	100
CMT-3101	Summer Internship Project (SIP)	DSE				4	100
Open Elective							
OE	Open Elective	OE	4	0	0	4	100
TOTAL			20	1	0	21	500
(Optional Summer Internship project work in place of one Discipline Specific Elective paper (4credits))							

DCC - Departmental Core Course , DSE- Discipline Specific Elective, OE- Open Elective

Semester- VI

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
CML-3201	Goods & Services Tax (Gst) And Customs Law	DCC	4	1	0	5	100
CML-3202	Security Analysis and Portfolio Management	DCC	4	1	0	5	100
Discipline Specific Elective (DSE)-4 Any one of the following)							
CML-3203	Auditing	DSE	4	0	0	4	100
CML-3204	Financial Reporting & Analysis	DSE	4	0	0	4	100
Discipline Specific Elective (DSE)-5&6 Any two of the following							
CML-3205	Working Capital Management	DSE	4	0	0	4	100
CML-3206	International Financial Management	DSE	4	0	0	4	100
MGL-3232	Compensation Management	DSE	4	0	0	4	100
CMD-3201	Dissertation	DSE				4	100
TOTAL			20	2	0	22	500
(Optional Dissertation in place of one Discipline Specific Elective paper (4credits))							

DCC - Departmental Core Course , DSE- Discipline Specific Elective, OE- Open Elective



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Course Structure

Semester I

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL1101	Introductory Biotechnology-I	DCC	4	0	0	4	100	BT
2	BSL1102	Biomolecules	DCC	4	0	0	4	100	BT
3	CHL1102	Chemistry-I	DCC	4	0	0	4	100	All
4	ENL1100	Communicative English-I	AECC	2	0	0	2	100	All
5	MAL1102	Maths & Biostatistics	GE	2	0	0	2	100	All
5	CSL1100	Basic of Computer & Programming	SEC	2	0	0	2	100	All
6	CHP1102	Chemistry Laboratory – I	DCC	0	0	2	2	100	All
7	BSP1101	Biotechnology Laboratory – I	DCC	0	0	2	2	100	BT
TOTAL				18	0	4	22	800	

Semester II

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL1201	Introductory Biotechnology-II	DCC	4	0	0	4	100	BT
2	BSL1202	Bioinformatics	DCC	4	0	0	4	100	BT
3	CHL1202	Chemistry-II	DCC	4	0	0	4	100	All
4	AGL1200	EVS	AECC	2	0	0	2	100	All
5	ENL1200	Communicative English-II	AECC	2	0	0	2	100	All
6	CHP1202	Chemistry Laboratory – II	DCC	0	0	2	2	100	All
7	BSP1201	Biotechnology Laboratory – II	DCC	0	0	2	2	100	BT
8	BSP1202	Bioinformatics Laboratory	DCC	0	0	2	2	100	BT
TOTAL				16	0	6	20	800	

BSC- Basic Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, AECC- Ability Enhancement Compulsory Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

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Semester III

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL2101	Cell Biology & Genetics	DCC	4	0	0	4	100	BT
2	BSL2102	Microbiology	DCC	4	0	0	4	100	BT
3	BSL2103	Molecular Biology	DCC	4	0	0	4	100	BT
4	BSL2104	Generic Elective-I	GE	4	0	0	4	100	BT
5	BSP2103	Molecular Biology Lab	DCC	0	0	2	2	100	BT
6	BSP2102	Microbiology Lab	DCC	0	0	2	2	100	BT
TOTAL				16	0	4	20	600	

Semester IV

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL2201	Recombinant DNA Technology	DCC	4	0	0	4	100	BT
2	BSL2202	Microbial Technology	DCC	4	0	0	4	100	BT
3	BSL2203	Immunology	DCC	4	0	0	4	100	BT
4		Open Elective-1	OE	4	0	0	4	100	BT
5	BSP2201	Recombinant DNA Technology Lab	DCC	0	0	2	2	100	BT
6	BSP2202	Immunology Lab	DCC	0	0	2	2	100	BT
TOTAL				16	0	4	20	600	

BSC- Basic Science Course, DCC- Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, AECC- Ability Enhancement Compulsory Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department.

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Semester V

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL3101	Core Course	DCC	4	0	0	4	100	BT
2	BSL3102	Dicipline Specific Elective-I	DSE	4	0	0	4	100	BT
3	BSL3103	Dicipline Specific Elective-II	DSE	4	0	0	4	100	BT
4	BSL3104	Skill Enhancement Course-I	SEC	2	0	0	2	100	BT
5	BSL3105	Generic Elective-II	GE	4	0	0	4	100	BT
6		Open Elective-II	OE	4	0	0	4	100	BT
TOTAL				20	0	0	22	600	

Semester VI

S. No.	Subject code	Subjects	Subject Area	Periods			Credits	Marks	Common to Programs
				L	T	P			
1	BSL3101	Core Course	DCC	4	0	0	4	100	BT
2	BSL3102	Dicipline Specific Elective-I	DSE	4	0	0	4	100	BT
3	BSL3103	Dicipline Specific Elective-II	DSE	4	0	0	4	100	BT
4	BSL3104	Skill Enhancement Course-I	SEC	3	0	0	3	100	BT
5	BSL3105	Generic Elective-II	GE	4	0	0	4	100	BT
6		Open Elective-II	OE	4	0	0	4	100	BT
TOTAL				22	0	0	22	600	

BSC- Basic Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course , AECC- Ability Enhancement Compulsory Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

DCC - Departmental Core Course

AECC - Ability Enhancement Compulsory Course

GE - Generic Elective*

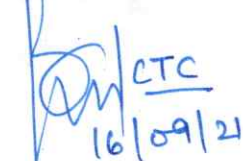
OE - Open Elective*

SEC - Skill Enhancement Course*

DSE - Discipline Specific Elective*



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Course Structure**Semester I**

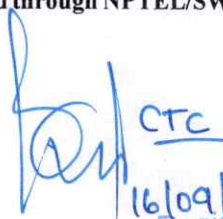
Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
BSL6101	Molecular Biology	DC	4	0	0	4	100
BSL6102	Advanced Biochemistry & Enzymology	DC	4	0	0	4	100
BSL6103	Proteomics	DC	4	0	0	4	100
BSL6104	Developmental Genetics	DE	4	0	0	4	100
BSP6101	Genomics Lab.	DC	0	0	4	2	100
BSP6102	Proteomics Lab.	DC	0	0	4	2	100
TOTAL			16	0	8	20	600

Semester II

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
BSL6201	Advance Bioprocess Technology	DC	4	0	0	4	100
BSL6202	Recombinant DNA Technology	DC	4	0	0	4	100
BSL6203	Advance Microbial Technology	DC	3	1	0	4	100
BSL6204	Advanced Plant Biotechnology	DC	4	0	0	4	100
BSP6203	Advance Microbial Technology Lab	DC	0	0	4	2	100
BSP6202	Recombinant DNA Technology Lab	DC	0	0	4	2	100
TOTAL			15	1	8	20	600

DCC: Departmental Core Course, DEC: Departmental Elective Course

Note: MOOC course may be completed through NPTEL/SWAYAM/GIAN or any other mode in consultation with respective department


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Semester III

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
BSL7101	Bioinformatics & Biostatistics	DC	4	0	0	4	100
BSL7101	Immunology	DC	4	0	0	4	100
BSL7102	Advanced Animal Biotechnology	DC	4	0	0	4	100
BSL7103	Biophysics & Bioanalytical Techniques	DC	3	1	0	4	100
BSL7104	Environmental Biotechnology	DE	3	1	0	4	100
BSP7101	Immunology Laboratory	DC	0	0	4	2	100
BST7101	Summer Training	DC	0	0	0	2	100
TOTAL			18	1	4	24	600

Semester IV

Course Code	Course Name	Course Area	Periods			Credits	Marks
			L	T	P		
BSD7201	Dissertation	DCC	0	0	0	10	600
BSS7201	Seminar	DCC	0	0	0	6	100
TOTAL			0	0	0	16	700

DCC: Departmental Core Course, DEC: Departmental Elective Course

Note: MOOC course may be completed through NPTEL/SWAYAM/GIAN or any other mode in consultation with respective department.


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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/CSE/ECE), 2019-2020 Batch & Onwards
Semester-I

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Subject Total		
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.			
1	UG	MAL-1101	Applied Mathematics-I	BSC	3	1	0	4	20	20	10	0	0	50	50	0	100
2	UG	CHL-1101/PHL-1101	Applied Chemistry/Applied Physics	BSC	3	0	0	3	20	20	10	0	0	50	50	0	100
3	UG	ECL-1101/ECL-1102	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	20	20	10	0	0	50	50	0	100
4	UG	CSL-1101	Basics of Computer and Programming	ESC	3	0	0	3	20	20	10	0	0	50	50	0	100
5	UG	AGL-1100	Environmental Studies	BSC	2	0	0	2	20	20	10	0	0	50	50	0	100
6	UG	ENL-1100	Communicative English-I	HMC	2	0	0	2	20	20	10	0	0	50	50	0	100
PRACTICAL																	
1	UG	CHP-1101/PHP-1101	Applied Physics Lab/Applied Chemistry Lab	BSC	0	0	2	1	0	0	0	20	30	50	0	50	100
2	UG	ECP-1101/ECP-1102	Electrical Engineering Lab/ Electronics Engineering Lab	ESC	0	0	2	1	0	0	0	20	30	50	0	50	100
3	UG	CSP-1101	Basics of Computer and Programming Lab	ESC	0	0	2	1	0	0	0	20	30	50	0	50	100
4	UG	MEP-1101/MEP-1102	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	0	0	0	20	30	50	0	50	100
TOTAL					16	1	8	21	120	120	60	80	120	500	300	200	1000
Periods/Week					25												
Semester Credit					21												


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MANGALAYATAN UNIVERSITY, ALIGA
 EVALUATION SCHEME
 B.Tech. (ME/CE/CSE/ECE), 2019-2020 Batch &
 Semester-II

Course Code	Course	Course Area
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THEORY

1	UG	MAL-1201	Applied Mathematics-II	BSC
2	UG	CHL-1201/PHL-1201	Applied Chemistry/Applied Physics	BSC
3	UG	ECL-1201/ECL-1202	Electrical Engineering/ Electronics Engineering	ESC
4	UG	MEL-1201	Elements of Mechanical Engineering	ESC
5	UG	ENL-1200	Communicative English-II	HMC

PRACTICAL

1	UG	CHP-1201/PHP-1201	Applied Chemistry Lab/Applied Physics Lab	BSC
2	UG	ECP-1201/ECP-1202	Electrical Engineering Lab/ Electronics Engineering Lab	ESC
3	UG	MEP-1201/MEP-1202	Workshop Practice/Engineering Graphics Lab	ESC

TOTAL

21	Periods/Week
18	Semester Credit

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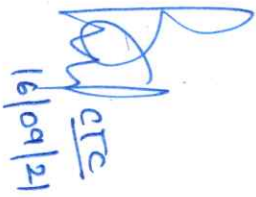
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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/SEE/CE), 2019-2020 Batch & Onwards
Semester-III

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks							Majors		Subject Total		
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.				
THEORY																		
1	UG	MAL-2101	Applied Mathematics-III	BSC	3	1	0	4	20	20	10	0	0	50	50	0	100	
2	UG	CSL-2101	Data Structure	DCC	3	1	0	4	20	20	10	0	0	50	50	0	100	
3	UG	CSL-2102	Database Management System	DCC	3	1	0	4	20	20	10	0	0	50	50	0	100	
4	UG	CSL-2103	Theory of Automata and Formal Languages	DCC	3	0	0	3	20	20	10	0	0	50	50	0	100	
5	UG	CSL-2104	Digital Logic and Switching Theory	DCC	3	0	0	3	20	20	10	0	0	50	50	0	100	
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	20	20	10	0	0	50	50	0	100	
PRACTICAL																		
1	UG	CSP-2101	Data Structures Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100	
2	UG	CSP-2102	Database Management System Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100	
3	UG	CSP-2104	Digital Logic and Switching Theory Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100	
					TOTAL	17	3	6	21	120	120	60	60	90	450	300	150	900
												Periods/Week	26					
												Semester Credit	21					

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/CSE/ECE), 2019-2020 Batch & Onwards
Semester-IV

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Course Total				
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.					
THEORY																			
1	UG	Engineering Science Course	ESC	3	0	0	3	20	20	10	0	0	0	50	50	0	100		
2	UG	Design and Analysis of Algorithm	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100		
3	UG	Operating Systems	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100		
4	UG	Computer Organization and Architecture	DCC	3	0	0	3	20	20	10	0	0	0	50	50	0	100		
5	UG	Object Oriented Programming using C++	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100		
6	UG	Value Added Course Offered by University	VAC	2	0	0	0	20	20	10	0	0	0	50	50	0	100		
PRACTICAL																			
1	UG	Design and Analysis of Algorithm Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100		
2	UG	Operating Systems Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100		
3	UG	Object Oriented Programming using C++ Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100		
				TOTAL			17	3	6	21	120	120	60	60	90	450	300	150	900
				Periods/Week			26												
				Semester Credit			21												

Engineering Science Courses		
S.No.	Course Code	Course
1	MAL-2201	Discrete Mathematics
2	MEL-2231	Material Science
3	ECL-2231	Sensor & Instrumentation
4	ECL-2232	Energy Science and Engineering
5		Any other offered by any department

Note : The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester
 Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department

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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/SE/EE), 2019-2020 Batch & Onwards
Semester-V

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Course Total			
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.				
1	UG	CSL-3101	Software Engineering	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100
2	UG	CSL-3102	Core Java	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100
3	UG	CSL-3103	Computer Networks	DCC	3	1	0	4	20	20	10	0	0	0	50	50	0	100
4	UG		Departmental Elective Course-1	DCS	3	0	0	3	20	20	10	0	0	0	50	50	0	100
5	UG		Departmental Elective Course-2	DCS	3	0	0	3	20	20	10	0	0	0	50	50	0	100
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	20	20	10	0	0	0	50	50	0	100
PRACTICAL																		
1	UG	CSP-3101	Software Engineering Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100
2	UG	CSP-3102	Core Java Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100
3	UG	CSP-3103	Computer Networks Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	0	100
4	UG	CST-3101	Internship Assessment	DCC	0	0	2	1	0	0	0	0	50	50	0	50	0	100
					TOTAL	17	3	8	22	120	120	60	60	140	500	300	200	1000
					Periods/Week	28												
					Semester Credit	22												

Departmental Elective Courses-1		
S.No.	Course Code	Course
1	CSL-3104	Compiler Design & Architecture
2	CSL-3105	System Programming
3	CSL-3106	Cryptography & Cyber Security
4		Any other offered by the department

Departmental Elective Courses-2		
S.No.	Course Code	Course
1	CSL-3107	Principle of Programming Languages
2	CSL-3108	E-Commerce & ERP
3	CSL-3109	Unix and Shell Scripting
4		Any other offered by the department

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department

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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/CSE/ECE), 2019-2020 Batch & Onwards
Semester-VI

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Course Total		
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.			
1	UG	CSL-3201	Advanced Java & Web Technology	DCC	3	1	0	4	20	20	10	0	0	50	50	0	100
2	UG	CSL-3202	Computer Graphics and Multimedia	DCC	3	1	0	4	20	20	10	0	0	50	50	0	100
3	UG	CSL-3203	Artificial Intelligence	DCC	3	1	0	4	20	20	10	0	0	50	50	0	100
4	UG		Departmental Elective Course-3	DCS	3	0	0	3	20	20	10	0	0	50	50	0	100
5	UG		Open Elective Course-1 Offered by University	OEC	3	1	0	4	20	20	10	0	0	50	50	0	100
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	20	20	10	0	0	50	50	0	100
PRACTICAL																	
1	UG	CSP-3201	Advance Java & Web Technology Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100
2	UG	CSP-3202	Computer Graphics and Multimedia Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100
3	UG	CSP-3203	Artificial Intelligence and Python Lab	DCC	0	0	2	1	0	0	0	20	30	50	0	50	100
TOTAL					17	4	6	22	120	120	60	60	90	450	300	150	900
					Periods/Week			27									
					Semester Credit			22									

Departmental Elective Courses-3		
S.No.	Course Code	Course
1	CSL-3204	Data Warehousing and Mining
2	CSL-3205	Internet of Things
3	CSL-3206	Neural Network
4		Any other offered by the department

Note : The Internship (4-6 weeks) conducted during summer break after VI semester and will assessed during VII Semester

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MANGALAYATAN UNIVERSITY, ALLGARH
EVALUATION SCHEME
B.Tech. (ME/CE/SE/EE), 2019-2020 Batch & Onwards
Semester-VII

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Course Total	
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.		
THEORY																
1	UG	Humanities and Management Course	3	0	0	3	20	20	10	0	0	0	50	50	0	100
2	UG	CSL-4101 Digital Image Processing and Pattern Recognition	3	0	0	3	20	20	10	0	0	0	50	50	0	100
3	UG	Departmental Elective Course-4	3	0	0	3	20	20	10	0	0	0	50	50	0	100
4	UG	Open Elective Course-2 Offered by University	3	1	0	4	20	20	10	0	0	0	50	50	0	100
PRACTICAL																
1	UG	CSP-4101 Digital Image Processing and Pattern Recognition Lab	0	0	2	1	0	0	0	20	30	50	0	50	0	100
2	UG	CST-4101 Internship Assessment	0	0	2	1	0	0	0	20	30	50	0	50	0	100
3	UG	CSD-4101 Project Part-I	0	0	8	4	0	0	0	0	100	100	0	100	0	200
			TOTAL	12	1	12	19	80	80	40	40	160	400	200	200	800
			Periods/Week		25											
			Semester Credits		19											

Departmental Elective Courses



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MANGALAYATAN UNIVERSITY, ALIGARH
EVALUATION SCHEME
B.Tech. (ME/CE/CSE/ECE), 2019-2020 Batch & Onwards
Semester-VIII

Course Code	Course	Course Area	Periods			Credit	Internal Assessment Marks						Majors		Course Total					
			L	T	P		Minor-I	Minor-II	CAT	Pr	CAP	Total	Th.	Pr.						
1	UG	CSL-4201	Mobile Computing	DCC	3	0	0	0	3	20	20	10	0	0	0	50	50	0	100	
2	UG		Departmental Elective Course-5	DCS	3	0	0	0	3	20	20	10	0	0	0	50	50	0	100	
3	UG		Open Elective Course-3 Offered by University	OEC	3	1	0	0	4	20	20	10	0	0	0	50	50	0	100	
PRACTICAL																				
1	UG	CSD-4201	Project Part-II	DCC	0	0	18	9	0	0	0	0	0	0	200	200	0	300	500	
			TOTAL	9	1	18	19	60	60	30	0	200	350	150	300	800				
										Periods/Week	28									
										Semester Credit	19									

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मङ्गलायतन
विश्वविद्यालय

॥ विश्वं ज्ञाने प्रतिष्ठितम् ॥

Mangalayatan University
Beswan, Aligarh – 202145

Curriculum & Syllabi
(Choice Based Credit System)
Department of Civil Engineering
Institute of Engineering & Technology

 CTE
16/09/21

2019-23

Course Structure

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B.Tech (Civil Engineering)

Total Program Credits for B. Tech. (Civil Engineering)

S.N.	Semester	Credits
1	I	21
2	II	18
3	III	21
4	IV	21
5	V	22
6	VI	22
7	VII	19
8	VIII	19
Total		163

Induction Program

Conduction of induction program as per UGC/Regulatory Body's guideline.


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Course Structure B. Tech (Civil Engineering)

Semester I

Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
THEORY				L	T	P				
1	UG	MAL-1101	Applied Mathematics-I	BSC	3	1	0	4	100	ALL
2	UG	CHL-1101/PHL-1101	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	ALL
3	UG	ECL-1101/ECL-1102	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	100	ALL
4	UG	CSL-1101	Basics of Computer and Programming	ESC	3	0	0	3	100	ALL
5	UG	AGL-1100	Environmental Studies	BSC	2	0	0	2	100	ALL
6	UG	ENL-1100	Communicative English-I	HMC	2	0	0	2	100	ALL
PRACTICAL										
1	UG	CHP-1101/PHP-1101	Applied Chemistry Lab /Applied Chemistry Lab	BSC	0	0	2	1	100	ALL
2	UG	ECP-1101/ECP-1102	Electrical Engineering Lab/ Electronics Engineering Lab	ESC	0	0	2	1	100	ALL
3	UG	CSP-1101	Basics of Computer and Programming Lab	ESC	0	0	2	1	100	ALL
4	UG	MEP-1101/MEP-1102	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	ALL
TOTAL					16	1	8	21	1000	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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Semester II

Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
THEORY				L	T	P				
1	UG	MAL-1201	Applied Mathematics-II	BSC	3	1	0	4	100	ALL
2	UG	CHL-1201/PHL-1201	Applied Chemistry/Applied Physics	BSC	3	0	0	3	100	ALL
3	UG	ECL-1201/ECL-1202	Electrical Engineering/ Electronics Engineering	ESC	3	0	0	3	100	ALL
4	UG	MEL-1201	Elements of Mechanical Engineering	ESC	3	0	0	3	100	ALL
5	UG	ENL-1200	Communicative English-II	HMC	2	0	0	2	100	ALL
PRACTICAL										
1	UG	CHP-1201/PHP-1201	Applied Chemistry Lab/Applied Physics Lab	BSC	0	0	2	1	100	ALL
2	UG	ECP-1201/ECP-1202	Electronics Engineering Lab/Electrical Engineering Lab	ESC	0	0	2	1	100	ALL
3	UG	MEP-1201/MEP-1202	Workshop Practice/Engineering Graphics Lab	ESC	0	0	2	1	100	ALL
TOTAL					14	1	6	18	800	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course, HMC: Humanities & Management Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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Semester III

Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
THEORY				L	T	P				
1	UG	MAL-2101	Applied Mathematics-III	BSC	3	1	0	4	100	ALL
2	UG	CEL-2101	Building Material & Constructions	DCC	3	1	0	4	100	CE
3	UG	CEL-2102	Hydrology	DCC	3	1	0	4	100	CE
4	UG	CEL-2103	Strength of Materials	DCC	3	0	0	3	100	CE
5	UG	CEL-2104	Basic Surveying	DCC	3	0	0	3	100	CE
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	100	ALL
PRACTICAL										
1	UG	CEP-2101	Material Testing Lab	DCC	0	0	2	1	100	CE
2	UG	CEP-2103	Strength of Materials Lab	DCC	0	0	2	1	100	CE
3	UG	CEP-2104	Basic Surveying Lab	DCC	0	0	2	1	100	CE
TOTAL					17	3	6	21	900	

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note: Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department


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Semester IV


Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
THEORY				L	T	P				
1	UG		Engineering Science Course	ESC	3	0	0	3	100	All
2	UG	CEL-2201	Fluid Mechanics	DCC	3	1	0	4	100	CE
3	UG	CEL-2202	Structural Analysis-I	DCC	3	1	0	4	100	CE
4	UG	CEL-2203	Water Supply Engineering	DCC	3	0	0	3	100	CE
5	UG	CEL-2204	Engineering Geology	DCC	3	1	0	4	100	CE
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	100	ALL
PRACTICAL										
1	UG	CEP-2201	Fluid Mechanics Lab	DCC	0	0	2	1	100	CE
2	UG	CEP-2202	Structural Analysis-I Lab	DCC	0	0	2	1	100	CE
3	UG	CEP-2203	Engineering Geology Lab	DCC	0	0	2	1	100	CE
TOTAL					17	3	6	21	900	

Engineering Science Courses		
S.No.	Course Code	Course
1	CSL-2231	Object Oriented Programming using C++
2	MEL-2231	Material Science
3	ECL-2231	Sensor & Instrumentation
4	ECL-2232	Energy Science and Engineering
5		Any other course offered by any department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

1. Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/GIAN portal etc. in consultation with respective department.
2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester


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 Mangalayatan University
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Semester V

Course Code			Course	Course Area	Periods			Credit	Marks	Common to Program
THEORY					L	T	P			
1	UG	CEL-3101	Advance Surveying	DCC	3	1	0	4	100	CE
2	UG	CEL-3102	Geotechnical Engineering	DCC	3	1	0	4	100	CE
3	UG	CEL-3103	Waste Water Engineering	DCC	3	1	0	4	100	CE
4	UG		Departmental Elective Course-1	DCS	3	0	0	3	100	CE
5	UG		Departmental Elective Course-2	DCS	3	0	0	3	100	CE
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	100	ALL
PRACTICAL										
1	UG	CEP-3101	Advance Surveying Lab	DCC	0	0	2	1	100	CE
2	UG	CEP-3102	Geotechnical Engineering Lab	DCC	0	0	2	1	100	CE
3	UG	CEP-3103	Environmental Engineering Lab	DCC	0	0	2	1	100	CE
4	UG	CST-3101	Internship Assessment	DCC	0	0	2	1	100	CE
TOTAL					17	3	8	22	1000	

Departmental Elective Courses-1		
S.No.	Course Code	Course
1	CEL-3104	Structural Analysis –II
2	CEL-3106	Industrial Pollution Control
3		Any other offered by the department

Departmental Elective Courses-2		
S.No.	Course Code	Course
1	CEL-3105	Channel Hydraulics
2	CEL-3107	Traffic Engg. & Management
3		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

- Note:** 1. Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/GIAN portal etc. in consultation with respective department.
 2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during V Semester


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Semester VI

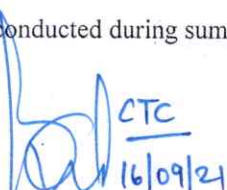
Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
				L	T	P				
THEORY										
1	UG	CEL-3201	Irrigation Engineering	DCC	3	1	0	4	100	CE
2	UG	CEL-3202	Concrete Structures –I	DCC	3	1	0	4	100	CE
3	UG	CEL-3203	Transportation Engineering	DCC	3	1	0	4	100	CE
4	UG		Departmental Elective Course-3	DCS	3	0	0	3	100	CE
5	UG		Open Elective Course-1 Offered by University	OEC	3	1	0	4	100	CE
6	UG		Value Added Course Offered by University	VAC	2	0	0	0	100	ALL
PRACTICAL										
1	UG	CEP-3201	Irrigation Engineering Design Lab	DCC	0	0	2	1	100	CE
2	UG	CEP- 3202	Concrete Structures-I Lab	DCC	0	0	2	1	100	CE
3	UG	CEP- 3203	Transportation Engineering Lab	DCC	0	0	2	1	100	CE
TOTAL					17	4	6	22	900	

Departmental Elective Courses-3		
S.No.	Course Code	Course
1	CEL-3204	Construction Planning & Management
2	CEL-3205	Concrete Technology
3	CEL-3206	Disaster Management
4		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course,
DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note: 1. Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/GIAN portal etc. in consultation with respective department.

2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during VII Semester


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Mangalayatan University
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Semester VII

Course Code		Course	Course Area	Periods			Credit	Marks	Common to Program	
				L	T	P				
THEORY										
1	UG		Humanities and Management Course	HMC	3	0	0	3	100	ALL
2	UG	CEL-4101	Concrete Structures - II	DCC	3	0	0	3	100	CE
3	UG		Departmental Elective Course-4	DCS	3	0	0	3	100	CE
4	UG		Open Elective Course-2 Offered by University	OEC	3	1	0	4	100	CE
PRACTICAL										
1	UG	CEP-4101	Concrete Structures II Lab	DCC	0	0	2	1	100	CE
2	UG	CST-4101	Internship Assessment	DCC	0	0	2	1	100	CE
3	UG	CED-4101	Project Part-I	DCC	0	0	8	4	200	CE
TOTAL					12	1	12	19	800	

Departmental Elective Courses-4		
S.No.	Course Code	Course
1	CEL-4102	Hydro Power Engineering
2	CEL-4103	Air & Water Pollution
3.	CEL-4104	Environment Impact & Assessment
4.		Any other course offered by any department

Humanities and Management Course		
S.No.	Course Code	Course
1	MGL-4101	Engineering Economics and Management
2	MGL-4102	Organizational Behaviour
3	MGL-4103	Research Methodology

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note: 1. Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/GIAN portal etc. in consultation with respective department.

2. The Internship (4 weeks) conducted during summer break after IV semester and will assessed during VII Semester


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Semester VIII

Course Code			Course	Course Area	Periods			Credit	Marks	Common to Program
					L	T	P			
THEORY										
1	UG	CEL-4201	Steel Structures	DCC	3	0	0	3	100	CE
2	UG		Departmental Elective Course-5	DCS	3	0	0	3	100	CE
3	UG		Open Elective Course-3 Offered by University	OEC	3	1	0	4	100	CE
PRACTICAL										
1	UG	CED-4201	Project Part-II	DCC	0	0	18	9	500	CE
TOTAL					9	1	18	19	800	

Total Program Credit: 163


Departmental Elective Courses-5		
S.No.	Course Code	Course
1	CEL-4202	Dam Engineering
2	CEL-4203	Hydraulic Structures
3		Any other course offered by the department

BSC- Basic Science Course, ESC - Engineering Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course

Note:

- Any one theory course may be completed through MOOC/ NPTEL/ SWAYAM/ GIAN portal etc. in consultation with respective department.


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 Head
 Department of Civil Engineering
 Faculty of Engineering & Technology
 Mangalayatan University, Aligarh (U.P.)

Mangalayatan University
Course Structure
Three years UG programs

B.A./B.A. Hons. & B. Sc./ B. Sc. Hons.

Course	Credits (as UGC)	Types	No. of Papers		Credits
			B.Sc.	B.Sc. (Hons.)	
Core Course	72 (84)	Core	12	14	72 (84)
Ability Enhancement Course	12 (08)	Ability Enhancement compulsory course	3 (EVS & Two English papers)	3 (EVS & Two English papers)	06 (06)
		Skill Enhancement Course	02	02	06 (06)
Elective Course	36 (48)	Discipline Specific Elective	04	06	16 (24)
		Open Elective	02	02	08 (08)
		Generic Elective	03	03	12 (12)
Total	120 (140)*				120 (140)*

*Note: The credits within the parentheses are for Hons. Program.



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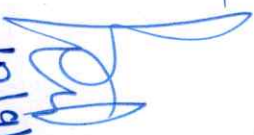
Mangalayatan University

Evaluation Scheme

BA.LL.B. (Batch 2020-25)

SEMESTER - I

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Total Theory	Subject Total	
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total			
THEORY														
1 UG	BAL-101	General English-I (Grammar and Usage, Vocabulary and Writing Skills)	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG	BAL-102	Political Science-I	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG	BAL-103	History-1	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG	BAL-104	Law of Torts including MV Act & Consumer Protection Laws	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG	BAL-105	Law of Contract-I (General Principle of Contract-Sections 1-75 and Specific Relief)	DCC	4	1	0	4	10	10	10	10	40	60	100
6 UG	BAL-106	Sociology - I	DCC	4	1	0	4	10	10	10	10	40	60	100
7 UG	BAL-107	Final Viva-Voce	DCC	0	0	0	2					50	0	50
Total Hours per Week				24	6	0	26	60	60	60	60	290	360	650
Total Credits				30			26							26


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Mangalayatan University
Evaluation Scheme
BA.LL.B. (Batch 2020-25)

SEMESTER - II

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total	
			L	T	P		Sessio nal - I	Sessio nal - II	Project Work 5+5	Class Attenda nce	Total			Theory
1 UG	BAL-201	English-II (Communication Skills, Writing Skills and an Introduction to English Literature)	4	1	0	4	10	10	10	10	10	40	60	100
2 UG	BAL-202	Political Science-II												
3 UG	BAL-203	History-II	4	1	0	4	10	10	10	10	10	40	60	100
4 UG	BAL-204	Environmental Law	4	1	0	4	10	10	10	10	10	40	60	100
5 UG	BAL-205	Law of Contract - II (Special Contract)	4	1	0	4	10	10	10	10	10	40	60	100
6 UG	BAL-206	Sociology - II	4	1	0	4	10	10	10	10	10	40	60	100
7 UG	BAL-207	Final Viva-Voce	0	0	0	2						40	60	100
TOTAL			24	6	0	26	60	60	60	60	60	290	360	650
Total Hours per Week						30								
Total Credits						26								

etc

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Mangalayatan University, Aligarh

Mangalayatan University
Evaluation Scheme
BA.LL.B. (Batch 2020-25)

SEMESTER - III

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total
			L	T	P		Sessio nal - I	Sessio nal - II	Project Work 5+5	Class Attendan ce	Total		
THEORY													
1 UG BAL-301	English-III (Legal Language)	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG BAL-302	Political Science-III (International Relation-I)	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG BAL-303	History-III (Legal and Constitutional History)	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG BAL-304	Competition Law	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG BAL-305	Constitutional Law - I	DCC	4	1	0	4	10	10	10	10	40	60	100
6 UG BAL-306	Sociology - III	DCC	4	1	0	4	10	10	10	10	40	60	100
7 UG BAL-307	Final Viva-Voce	DCC	0	0	0	2	10	10	10	10	40	60	100
Total Hours per Week			24	6	0	26	60	60	60	60	290	360	650
Total Credits			30			26	60	60	60	60	290	360	650

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Mangalayatan University
Evaluation Scheme
B.A.L.L.B. (Batch 2020-25)

SEMESTER - IV

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total		
1 UG BAL-401	Constitutional Law - II	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG BAL-402	Political Science - IV	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG BAL-403	Jurisprudence	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG BAL-404	Right to Information Act	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG BAL-405	Gender Justice & Feminist Jurisprudence	DCC	4	1	0	4	10	10	10	10	40	60	100
6 UG BAL-406	Public International Law	DCC	4	1	0	4	10	10	10	10	40	60	100
7 UG BAL-407	Final Viva-Voce	DCC	0	0	0	2	10	10	10	10	40	60	100
TOTAL			24	6	0	26	60	60	60	60	290	360	650
Total Hours per Week			30										
Total Credits			26										


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Mangalayatan University
Evaluation Scheme
BA.LL.B. (Batch 2020-25)

SEMESTER - V

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Theory	Subject Total
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total		
1 UG BAL-501	Law of Crimes - I (IPC)	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG BAL-502	Political Science - V	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG BAL-503	Family Law - I (Hindu Law)	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG BAL-504	Labour and Industrial Law - I	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG BAL-505	Human Rights Law & Practice	DCC	4	1	0	4	10	10	10	10	40	60	100
6 UG BAL-506	Intellectual Property Rights - I	DCC	4	1	0	4	10	10	10	10	40	60	100
7 UG BAL-507	Final Viva-Voce	DCC	0	0	0	2	10	10	10	10	40	60	100
TOTAL			24	6	0	26	60	60	60	60	290	360	650
Total Hours per Week						30							50
Total Credits						26							50

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SEMESTER - VI

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Major's		Subject Total
			L	T	P		Sessional I - I	Sessional - II	Project Work 5+5	Class Attendance	Total	Theory		
1 UG	BAL-601	Law of Crimes - II (IPC)	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG	BAL-602	Political Science-VI	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG	BAL-603	Family Law - II (Muslim Law)	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG	BAL-604	Labour and Industrial Law - II	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG	BAL-605	Drafting, Pleading & Conveyance (Clinical Course)	DCC	4	1	0	4					100		100
6 UG	BAL-606	Intellectual Property Rights-II	DCC	4	1	0	4	10	10	10	10	40	60	100
7 UG	BAL-607	Final Viva-Voce	DCC	0	0	0	2					50	0	50
TOTAL				24	6	0	26	50	50	50	50	350	300	650
Total Hours per Week						30								
Total Credits						26								

ATC

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Evaluation Scheme
BA.LL.B. (Batch 2020-25)

SEMESTER - VII

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks				Majors	Subject Total	
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance			Total
1 UG	BAL-701	Civil Procedure Code - I & Limitation Act - I	4	1	0	4	10	10	10	10	40	60	100
2 UC	BAL-702	Criminal Procedure Code - I	4	1	0	4	10	10	10	10	40	60	100
3 UG	BAL-703	Administrative Law	4	1	0	4	10	10	10	10	40	60	100
4 UG	BAL-704	Banking Law	4	1	0	4	10	10	10	10	40	60	100
5 UG	BAL-705	Insurance Law	4	1	0	4	10	10	10	10	40	60	100
6 UG	BAL-706	Alternate Dispute Resolution (Clinical Course)	4	1	0	4	10	10	10	10	40	60	100
7 UG	BAL-707	Final Viva-Voce	0	0	0	2					100	0	100
Total Hours per Week			24	6	0	26	50	50	50	50	350	300	650
Total Credits						30					50	50	

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Evaluation Scheme
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SEMESTER - VIII

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total	
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total			Theory
1 UG	BAL-801	Civil Procedure Code - II	DCC	4	1	0	4	10	10	10	10	40	60	100
2 UG	BAL-802	Criminal Procedure Code - II	DCC	4	1	0	4	10	10	10	10	40	60	100
3 UG	BAL-803	Property Law	DCC	4	1	0	4	10	10	10	10	40	60	100
4 UG	BAL-804	Land Laws including Easement & Tenancy System	DCC	4	1	0	4	10	10	10	10	40	60	100
5 UG	BAL-805	International Dispute Resolution Bodies	DCC	4	1	0	4	10	10	10	10	40	60	100
6 UG	BAL-806	Professional Ethics & Professional Accounting System (Clinical Course)	DEC	4	1	0	4					100		100
7 UG	BAL-807	Final Viva-Voce	DCC	0		0	2					50	0	50
Total Hours per Week			TOTAL	24	6	0	26	50	50	50	50	350	300	650
Total Credits				30			26					30		26

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Evaluation Scheme
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SEMESTER - IX

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Theory	Subject Total	
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total			
THEORY														
1 UG	BAL-901	Law of Evidence	4	1	0	4	10	10	10	10	10	40	60	100
2 UG	BAL-902	Company Law	4	1	0	4	10	10	10	10	10	40	60	100
3 UG	BAL-903	Principles of Taxation Law	4	1	0	4	10	10	10	10	10	40	60	100
4 UG	BAL-904	Media & Law	4	1	0	4	10	10	10	10	10	40	60	100
5 UG	BAL-905	Interpretation of Statutes & Principles of Legislation	4	1	0	4	10	10	10	10	10	40	60	100
6 UG	BAL-906	Moot Court Exercise & Internship (Clinical Course)												
7 UG	BAL-907	Final Viva-Voce												
Total Hours per Week			24	6	0	26	50	50	50	50	50	350	300	650
Total Credits						26						300	50	

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SEMESTER - X

THEORY	Course Code	Subject	Subject Area	Periods			Credits	Internal Viva-voce Total	Subject Total
				L	T	P			
1 UG	BAL-1001	Dissertation/Project Work + Viva-voce - Completed within two months	DCC				8	200	200
2 UG	BAL-1002	Supreme Court/High Courts & Legal Firms Internship - one month	DCC				8	100	100
Total Hours per Week							16	300	300
Total Credits							16		300

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SEMESTER - I

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total		
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total			Theory	
1 UG	BL-101	Jurisprudence	5	1	0	4	10	10	10	10	10	40	60	100	
2 UG	BL-102	Constitutional Law-I	5	1	0	4	10	10	10	10	10	40	60	100	
3 UG	BL-103	Law of Torts including MV Act & Consumer Protection Laws	5	1	0	4	10	10	10	10	10	40	60	100	
4 UG	BL-104	Law of Contract -I (General Principles)	5	1	0	4	10	10	10	10	10	40	60	100	
5 UG	BL-105	Family Law -I (Hindu Law)	5	1	0	4	10	10	10	10	10	40	60	100	
6 UG	BL-106	Right to Information Act	5	1	0	4	10	10	10	10	10	40	60	100	
7 UG	BL-107	Final Viva-Voce	0	0	0	2						50	0	50	
TOTAL			25	6	0	26	50	50	50	50	50	240	360	650	
Total Hours per Week						30									
Total Credits						26									

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SEMESTER - II

Course Code	Subject	Subject Area	Periods	Credits	Internal Assessment Marks					Majors	Subject Total	
					Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total			Theory
1 UG BL-201	Environmental Law	DCC	L 5 T 1 P 0	4	10	10	10	10	40	60	100	
2 UG BL-202	Constitutional Law-II	DCC	5 1 0	4	10	10	10	10	40	60	100	
3 UG BL-203	Public International Law	DCC	5 1 0	4	10	10	10	10	40	60	100	
4 UG BL-204	Law of Contract - II (Special Contract)	DCC	5 1 0	4	10	10	10	10	40	60	100	
5 UG BL-205	Family Law-II (Muslim Law)	DCC	5 1 0	4	10	10	10	10	40	60	100	
6 UG BL-206	Interpretation of Statutes & Principles of Legislation	DCC	5 1 0	4	10	10	10	10	40	60	100	
7 UG BL-207	Final Viva-voce	DCC	0 0 0	2							100	
Total Hours per Week				25	60	50	50	50	50	240	360	50
Total Credits				30	26	50	50	50	50	240	360	650

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SEMESTER - III

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Theory	Subject Total	
			L	T	P		Sessional I - I	Sessional II	Project Work 5+5	Class Attendance	Total			
1 UG	BL-301	Administrative Law	DCC	5	1	0	4	10	10	10	10	40	60	100
2 UG	BL-302	Company Law	DCC	5	1	0	4	10	10	10	10	40	60	100
3 UG	BL-303	Law of Crimes - I (IPC)	DCC	5	1	0	4	10	10	10	10	40	60	100
4 UG	BL-304	Principles of Taxation Law	DCC	5	1	0	4	10	10	10	10	40	60	100
5 UG	BL-305	Drafting, Pleading & Conveyance (Clinical Course)	DCC	5	1	0	4					40	60	100
6 UG	BL-306	Media & Law	DCC	5	1	0	4	10	10	10	10	40	60	100
7 UG	BL-307	Final Viva-voce	DCC	0	0	0	2					50	0	50
TOTAL				30	6	0	26	50	50	50	50	350	300	650
Total Hours per Week						30						300		
Total Credits						26						260		


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SEMESTER - IV

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Theory	Subject Total		
			L	T	P		Sessional - I	Sessional - II	Project Work 5+5	Class Attendance	Total				
THEORY															
1 UG	BL-401	Property Law	DCC	5	1	0	4	10	10	10	10	10	40	60	100
2 UG	BL-402	Gender Justice & Feminist Jurisprudence	DCC	5	1	0	4	10	10	10	10	10	40	60	100
3 UG	BL-403	Law of Crimes -II (I.P.C.)	DCC	5	1	0	4	10	10	10	10	10	40	60	100
4 UG	BL-404	Labour and Industrial Law-I	DCC	5	1	0	4	10	10	10	10	10	40	60	100
5 UG	BL-405	Alternate Dispute Resolution (Clinical Course)	DCC	5	1	0	4						100		100
6 UG	BL-406	Human Rights Law and Practice	DCC	5	1	0	4	10	10	10	10	10	40	60	100
7 UG	BL-407	Final Viva-Voce	DCC	0	0	0	2						50	0	50
TOTAL				25	6	0	26	50	50	50	50	50	300	300	650
Total Hours per Week				30											
Total Credits				26											

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SEMESTER - V

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks				Majors		Subject Total			
			L	T	P		Sessiona 1-1	Session al-II	Project Work 5+5	Class Attendance	Total	Theory				
1 UG	BL-501	Civil Procedure Code and Limitation Act -I	DCC	4	1	0	4	10	10	10	10	40	60	100		
2 UG	BL-502	Labour and Industrial Law-II	DCC	4	1	0	4	10	10	10	10	40	60	100		
3 UG	BL-503	Intellectual Property Rights-I (Copyright and Patent Law)	DCC	4	1	0	4	10	10	10	10	40	60	100		
4 UG	BL-504	Law of Evidence	DCC	4	1	0	4	10	10	10	10	40	60	100		
5 UG	BL-505	Professional Ethics & Professional Accounting System (Clinical Course)	DCC	4	1	0	4	10	10	10	10	40	60	100		
6 UG	BL-506	The Code of Criminal Procedure, 1973 - 1	DCC	4	1	0	4	10	10	10	10	40	60	100		
7 UG	BL-507	Final Viva-Voce	DCC	0	0	0	2					50	0	50		
Total Hours per Week			TOTAL			24	6	0	26	60	60	60	60	350	300	650
Total Credits			TOTAL			30			26							

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SEMESTER - VI

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors	Subject Total		
			L	T	P		Sessio nal - I	Sessio nal - II	Project Work 5+5	Class Attendan ce	Total			Theory	
THEORY															
1 UG	BL-601	Civil Procedure Code - II	DCC	4	1	0	4	10	10	10	10	10	40	60	100
2 UG	BL-602	Banking Law	DCC	4	1	0	4	10	10	10	10	10	40	60	100
3 UG	BL-603	Intellectual Property Rights-II (Trademarks, Industrial Design and Geographical Indication)	DCC	4	1	0	4	10	10	10	10	10	40	60	100
4 UG	BL-604	Land Laws including ceiling and other Local Laws	DCC	4	1	0	4	10	10	10	10	10	40	60	100
5 UG	BL-605	Moot Court and Internship (Clinical Course)	DCC	4	1	0	4						100	0	100
6 UG	BL-606	The Code of Criminal Procedure, 1973 - II	DCC	4	1	0	4	10	10	10	10	10	40	60	100
7 UG	BL-607	Final Viva-voce	DCC	0	0	0	2						50	0	50
TOTAL				24	6	0	26	50	50	50	50	50	350	300	650
Total Hours per Week				30											
Total Credits				26											


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Criminal Law

SEMESTER - I

Course Code	Subject	Subject Area	Periods				Credits	Internal Assessment Marks			Majors		Subject Total	
			L	T	LT	RP		Law Tec.	RP	Total	Th	Pr		
1 PG 09	ML-101 A	THEORY Research Methods and Legal Writing	DCC	3	1	1	1	3	15	25	40	60	0	100
2 PG 09	ML-102 A	Comparative Public Law	DCC	3	1	1	1	3	15	25	40	60	0	100
3 PG 09	ML-103 A	Law and Justice in a Globalizing World	DCC	3	1	1	1	3	15	25	40	60	0	100
4 PG 09	ML-104 A	Criminology and Criminal Justice Administration	DEC	3	1	1	1	2	15	25	40	60	0	100
5 PG 09	ML-105 A	International Criminal Law	DEC	3	1	1	1	2	15	25	40	60	0	100
TOTAL				15	5	5	5	13	75	125	200	300	0	500
Total Hours per Week				30										
Total Credits				13										

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Evaluation Scheme
L.M. (Batch 2020-21) 1 Year
Criminal Law

SEMESTER - II

Course Code	Subject	Subject Area	Periods					Credits	Internal Assessment Mark			Major's		Subject Total
			L	T	LT	RP	Law Tec.		RP	Total	Th	PRVV		
1 PG 09	ML-201 A	Victimology	DEC	3	1	1	1	2	15	25	40	60	0	100
2 PG 09	ML-202 A	Police Law & Administration	DEC	3	1	1	1	2	15	25	40	60	0	100
3 PG 09	ML-203 A	Sentences & Sentencing	DEC	3	1	1	1	2	15	25	40	60	0	100
4 PG 09	ML-204 A	White Collar Crimes	DEC	3	1	1	1	2	15	25	40	60	0	100
5 PG 09	ML-205 A	Dissertation & Viva Voce	DCC	6	0	0	0	3	0	0	0	80	20	100
TOTAL				18	4	4	4	11	60	100	160	320	20	500
Total Hours per Week				30										
Total Credits				11										

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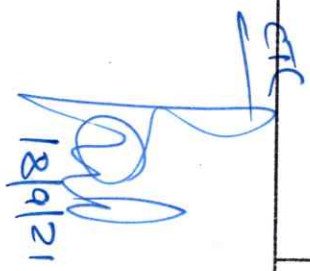
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Evaluation Scheme


LL.M. (Batch 2020-22) Criminal Law

SEMESTER - I

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors		Subject Total	
			L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Pr		
1 PG 09	ML-101	Jurisprudence-I	DCC	4	1	0	4	0	20	0	0	20	80	0	100
2 PG 09	ML-102	Constitutional Law -I	DCC	4	1	0	4	0	20	0	0	20	80	0	100
3 PG 09	ML-103	Law & Poverty	DCC	4	1	0	4	0	20	0	0	20	80	0	100
4 PG 09	ML-104	Legal Research Methodology	DCC	4	1	0	4	0	20	0	0	20	80	0	100
TOTAL				16	1	0	16	0	80	0	0	80	320	0	400
Total Hours per Week													16		
Total Credits													16		


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SEMESTER - II

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks				Majors		Subject Total		
			L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th		Presentation	
1 PG 09	ML-201	Jurisprudence- II	DCC	4	1	0	0	20	0	0	0	20	80	0	100
2 PG 09	ML-202	Constitutional Law- II	DEC	4	1	0	0	20	0	0	0	20	80	0	100
3 PG 09	ML-203	Practical Research Methodology	DEC	4	1	0	0	20	0	0	0	20	80	0	100
4 PG 09	ML-204	Law & Society	DCC	4	1	0	0	20	0	0	0	20	80	0	100
TOTAL				16	4	0	0	80	0	0	0	80	320	0	400
Total Hours per Week				16											
Total Credits				16											16

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SEMESTER - III

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors		Subject Total		
			L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Presentation			
1 PG 09	ML-301 A	Law of Crimes	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
2 PG 09	ML-302 A	Socio-economic Offences	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
3 PG 09	ML-303 A	General Principles of Torts	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
4 PG 09	ML-304 A	Victimology	DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
TOTAL				16	4	0	16	0	80	0	0	0	80	320	0	400
Total Hours per Week				16												
Total Credits				16												


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SEMESTER - IV

Subject Code	Subject	Periods			Credits	Internal Assessment Marks					Majors Presentation & Viva voce	Subject Total			
		L	T	P		Minor-I	Minor-II	CAT	CAP	Total			Th		
PG 09	ML-401 A Criminology and Penology	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
PG 09	ML-402 A Specific Torts	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
PG 09	ML-403 A Dissertation & Viva-voce	DCC	8	0	0	8	0	0	0	0	0	0	80	20	100
TOTAL			16	2	0	16	0	40	0	0	0	40	240	20	300
Total Credits						16						20	300		

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SEMESTER - I

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors		Subject Total	
			L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Pr		
1 PG 09 ML-101	Jurisprudence-I	DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
2 PG 09 ML-102	Constitutional Law - I	DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
3 PG 09 ML-103	Law & Poverty	DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
4 PG 09 ML-104	Legal Research Methodology	DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
TOTAL			16	1	0	16	0	80	0	0	0	80	320	0	400
Total Hours per Week			16												
Total Credits			16												

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SEMESTER - II

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks				Th	Majors Presentation	Subject Total		
			L	T	P		Minor-I	Minor-II	CAT	CAP				Total	
1 PG 09	ML-201	Jurisprudence- II	DCC	4	1	0	0	20	0	0	0	20	80	0	100
2 PG 09	ML-202	Constitutional Law- II	DEC	4	1	0	0	20	0	0	0	20	80	0	100
3 PG 09	ML-203	Practical Research Methodology	DEC	4	1	0	0	20	0	0	0	20	80	0	100
4 PG 09	ML-204	Law & Society	DCC	4	1	0	0	20	0	0	0	20	80	0	100
TOTAL				16	4	0	0	80	0	0	0	80	320	0	400
Total Hours per Week				16									80		100
Total Credits				16									80		100

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SEMESTER - III

THEORY	Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors		Subject Total	
				L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Presentation		
1	PG-09	ML-301 IP	Changing Dimension of DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
2	PG-09	ML-302 IP	Copyright & Design Act DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
3	PG-09	ML-303 IP	Patent Law DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
4	PG-09	ML-304 IP	Trademark and Geographical Indications DCC	4	1	0	4	0	20	0	0	0	20	80	0	100
TOTAL				16	4	0	16	0	80	0	0	0	80	320	0	400
Total Hours per Week				16												
Total Credits				16												

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SEMESTER - IV

Subject Code	Subject	Periods			Credits	Internal Assessment Marks						Majors		Subject Total
		L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Presentation & Viva voce		
PG 09	ML-401 IP Intellectual Property in Dig	DEC	4	1	0	4	0	20	0	0	20	80	0	100
PG 09	ML-402 IP Sui Generis System of Intel	DEC	4	1	0	4	0	20	0	0	20	80	0	100
PG 09	ML-403 IP Dissertation & Viva-voce	DCC	8	0	0	8	0	0	0	0	0	80	20	100
TOTAL			8	2	0	16	0	40	0	0	40	240	20	300
Total Credits			16											

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Mangalayatan University
Evaluation Scheme
LL.M. (Batch 2020-22) Criminal Law

SEMESTER - III

Course Code	Subject	Subject Area	Periods			Credits	Internal Assessment Marks					Majors		Subject Total	
			L	T	P		Minor-I	Minor-II	CAT	CAP	Total	Th	Presentation		
1 PG-09	ML-301	Law of Crimes	DEC	4	1	0	0	20	0	0	0	20	80	0	100
2 PG-09	ML-302	Socio-economic Offences	DEC	4	1	0	0	20	0	0	0	20	80	0	100
3 PG-09	ML-303	Juvenile Delinquency, Victimology & Sentencing & Sentences.	DEC	4	1	0	0	20	0	0	0	20	80	0	100
4 PG-09	ML-304		DCC	4	1	0	0	20	0	0	0	20	80	0	100
TOTAL				16	4	0	0	80	0	0	0	80	320	0	400
Total Hours per Week				16											
Total Credits				16											

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Mangalayatan University
Evaluation Scheme
LL.M. (Batch 2020-22) Criminal Law

SEMESTER - IV

Subject Code	Subject	Periods			Credits	Internal Assessment Marks						Total	Th	Major's Presentation & Viva voce	Subject Total
		L	T	P		Minor-I	Minor-II	CAT	CAP	Total					
PG 09	ML-401 Criminology and Penology	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
PG 09	ML-402 International Criminal Law	DEC	4	1	0	4	0	20	0	0	0	20	80	0	100
PG 09	ML-403 Dissertation & Viva-voce	DCC	8	0	0	8	0	0	0	0	0	0	80	20	100
TOTAL			8	2	0	16	0	40	0	0	0	40	240	20	300

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Semester I

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
Theory					L	T	P		
1	UG0 1	AGL- 1101	Fundamentals of Plant Biochemistry and Biotechnology	DCC	2	0	0	2	100
2	UG0 1	AGL- 1102	Introductory Agro meteorology & Climate Change	DCC	1	0	0	1	100
3	UG0 1	AGL- 1103	Fundamentals of Agronomy	DCC	3	0	0	3	100
4	UG0 1	AGL- 1104	Rural Sociology and Educational Psychology	DCC	2	0	0	2	100
5	UG0 1	AGL- 1105	Agricultural Informatics	AECC	1	0	0	1	100
6	UG0 1	AGL- 1106	Fundamentals of Genetics	DCC	2	0	0	2	100
7	UG0 1	ENL- 1101	Comprehension and Communication Skills in English	AECC	1	0	0	1	100
8	UG0 1	AGL- 1108	Agricultural Heritage	AECC	1	0	0	1	100
9	UG0 1		Remedial Course	GEC					100
Practical									
1	UG0 0 1	AGP- 1101	Fundamentals of Plant Biochemistry and Biotechnology Lab	DCC	0	0	2	1	100
1	UG0 1 1	AGP- 1102	Introductory Agro meteorology & Climate Change Lab	DCC	0	0	2	1	100
1	UG0 1 1	AGP- 1103	Fundamentals of Agronomy Lab	DCC	0	0	2	1	100
1	UG0 3 1	AGP- 1104	Agricultural Informatics Lab	AECC	0	0	2	1	100
1	UG0 4 1	AGP- 1106	Fundamentals of Genetics Lab	DCC	0	0	2	1	100
1	UG0 5 1	ENP- 1101	Comprehension and Communication Skills in English Lab	AECC	0	0	2	1	100
1	UG0 6 1		Remedial Practical	GEC					100
1	UG0 7 1	AGP- 1107	NSS/NCC/ Physical Education & Yoga Practices	GEC	0	0	2	1	100
TOTAL					1 3 / 0 1 4		16 / 18	22	1600 / 1700

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Remedial Courses						
S. No.	Course Code	Course	Periods			Credit
1	AGL-1109	Introductory Biology	1	0	0	1
	AGP- 1109	Introductory Biology Lab	0	0	2	1
2	MAL-1102	Elementary Mathematics	2	0	0	2

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SEMESTER II

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
Theory					L	T	P		
1	UG01	AGL-1201	Fundamentals of Agricultural Economics	DCC	2	0	0	2	100
2	UG01	AGL-1202	Fundamentals of Crop Physiology	DCC	1	0	0	1	100
3	UG01	AGL-1203	Statistical Methods	DCC	2	0	0	2	100
4	UG01	AGL-1204	Agricultural Microbiology	DCC	1	0	0	1	100
5	UG01	AGL-1205	Introductory Soil and Water Conservation Engineering	AECC	1	0	0	1	100
6	UG01	AGL-1206	Fundamentals of Soil Science	DCC	2	0	0	2	100
7	UG01	AGL-1207	Fundamentals of Plant Pathology	AECC	2	0	0	2	100
8	UG01	AGL-1208	Communication Skills and Personality Development	AECC	1	0	0	1	100
9	UG01	AGL-1209	Fundamentals of Horticulture	DCC	1	0	0	1	100
Practical									
10	UG01	AGP-1202	Fundamentals of Crop Physiology Lab	DCC	0	0	2	1	100
11	UG01	AGP-1203	Statistical Methods Lab	DCC	0	0	2	1	100
12	UG01	AGP-1204	Agricultural Microbiology Lab	DCC	0	0	2	1	100
13	UG01	AGP-1205	Introductory Soil and Water Conservation Engineering Lab	AECC	0	0	2	1	100
14	UG01	AGP-1206	Fundamentals of Soil Science Lab	DCC	0	0	2	1	100
15	UG01	AGP-1207	Fundamentals of Plant Pathology Lab	AECC	0	0	2	1	100
16	UG01	AGP-1208	Communication Skills and Personality Development Lab	AECC	0	0	2	1	100
17	UG01	AGP-1209	Fundamentals of Horticulture Lab	DCC	0	0	2	1	100
18	UG01	AGP-1210	NSS/NCC/Physical Education & Yoga Practices (Non gradial)	GEC	0	0	2	1	100
TOTAL					13	0	18	22	1800

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SEMESTER III

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
					L	T	P		
Theory									
1	UG01	AGL-2101	Crop Production Technology-I (Kharif Crops)	AECC	1	0	0	1	100
2	UG01	AGL-2102	Fundamental of Plant Breeding	DCC	2	0	0	2	100
3	UG01	AGL-2103	Agricultural Finance and Cooperation	DCC	2	0	0	2	100
4	UG01	AGL-2104	Farm Machinery and Power	DCC	1	0	0	1	100
5	UG01	AGL-2105	Environmental Studies and Disaster Management	DCC	2	0	0	2	100
6	UG01	AGL-2106	Problematic Soils and their Management	AECC	2	0	0	2	100
7	UG01	AGL-2107	Fundamental of Entomology	DCC	2	0	0	2	100
8	UG01	AGL-2108	Diseases of Field & Horticultural Crops & their Management-I	AECC	2	0	0	2	100
9	UG01	AGL-2109	Human Values and Ethics** (Non Gradial)	AECC	1	0	0	1	100
Practical									
10	UG01	AGP-2101	Crop Production Technology-I Lab (Kharif Crops)	AECC	0	0	2	1	100
11	UG01	AGP-2102	Fundamental of Plant Breeding Lab	DCC	0	0	2	1	100
12	UG01	AGP-2103	Agricultural Finance and Cooperation Lab	DCC	0	0	2	1	100
13	UG01	AGP-2104	Farm Machinery and Power Lab	DCC	0	0	2	1	100
14	UG01	AGP-2105	Environmental Studies and Disaster Management Lab	DCC	0	0	2	1	100
15	UG01	AGP-2107	Fundamental of Entomology Lab	DCC	0	0	2	1	100
16	UG01	AGP-2108	Diseases of Field & Horticultural Crops & their Management-I Lab	AECC	0	0	2	1	100
17	UG01	AGP-2110	NSS/NCC/Physical Education & Yoga Practices (Non gradial)	GEC	0	0	2	1	100
TOTAL					15	0	16	23	1700

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SEMESTER IV

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
Theory					L	T	P		
1	UG01	AGL-2201	Crop Production Technology –II (Rabi Crops)	AECC	1	0	0	1	100
2	UG01	AGL-2202	Production Technology for Vegetables and Spices, Fruit and Plantation Crops	AECC	2	0	0	2	100
3	UG01	AGL-2203	Production Technology for Ornamental Crops, MAP and Landscaping	AECC	1	0	0	1	100
4	UG01	AGL-2204	Farm Management, Production & Resource Economics	DCC	1	0	0	1	100
5	UG01	AGL-2205	Fundamental of Extension Education	DCC	2	0	0	2	100
6	UG01	AGL-2206	Intellectual Property Rights	DCC	1	0	0	1	100
7	UG01	AGL-2207	Farming System and Sustainable Agriculture	DCC	1	0	0	1	100
8	UG01	AGL-2208	Introduction to Forestry	DCC	1	0	0	1	100
9	UG01	AGL-2209	Diseases of Field & Horticultural Crops & their Management-II	AECC	2	0	0	2	100
10	UG01		Departmental Elective Lecture Course-1	DEC	2	0	0	2	100
Practical									
11	UG01	AGP-2201	Crop Production Technology –II Lab (Rabi Crops)	AECC	0	0	2	1	100
12	UG01	AGP-2202	Production Technology for Vegetables and Spices, Fruit and Plantation Crops Lab	AECC	0	0	2	1	100
13	UG01	AGP-2203	Production Technology for Ornamental Crops, MAP and Landscaping Lab	AECC	0	0	2	1	100
14	UG01	AGP-2204	Farm Management, Production & Resource Economics Lab	DCC	0	0	2	1	100
15	UG01	AGP-2205	Fundamental of Extension Education Lab	DCC	0	0	2	1	100
16	UG01	AGP-2208	Introduction to Forestry Lab	DCC	0	0	2	1	100
17	UG01	AGP-2209	Diseases of Field & Horticultural Crops & their Management-II Lab	AECC	0	0	2	1	100
18	UG01		Departmental Elective Practical Course-1	DEC	0	0	2	1	100
19	UG01	AGP-2210	NSS/NCC/Physical Education & Yoga Practices (Non gradial)	GEC	0	0	2	1	100
TOTAL					14	0	18	23	1900

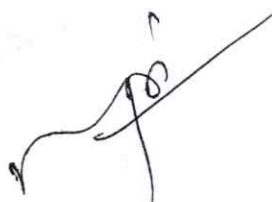
Departmental Elective Lecture Course-1			Departmental Elective Practical Course-1	
S. No.	Course Code	Course	Course Code	Course
1	AGL-2212	Agricultural Journalism	AGP-2212	Agricultural Journalism Lab
2	AGL-2213	Biopesticides & Bio-fertilizers	AGP-2213	Biopesticides & Bio-fertilizers Lab
3	AGL-2214	Commercial Plant Breeding	AGP-2214	Commercial Plant Breeding Lab

BSC- Basic Science Course, DCC - Departmental Core Course, VAC: Value Added Course, OEC- Open Elective Course , AECCAbility Enhancement Compulsory Course Note: Any one theory course may be completed through MOOC/ NPTEL/ GIAN/SWAYAM portal etc. in consultation with respective department

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SEMESTER V

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
Theory					L	T	P		
1	UG01	AGL-3101	Epidemiology & Principles of Integrated Disease Management	AECC	1	0	0	1	100
2	UG01	AGL-3102	Manures, Fertilizers and Soil Fertility Management	AECC	1	0	0	1	100
3	UG01	AGL-3103	Pests of Crops and Stored Grain and their Management	AECC	1	0	0	1	100
4	UG01	AGL-3104	Crop Improvement-I (<i>Kharif Crops</i>)	AECC	2	0	0	2	100
5	UG01	AGL-3105	Entrepreneurship Development and Business Communication	AECC	1	0	0	1	100
6	UG01	AGL-3106	Geo informatics and Nano-technology and Precision Farming	AECC	1	0	0	1	100
7	UG01	AGL-3107	Livestock & Poultry Management	AECC	3	0	0	3	100
8	UG01	AGL-3108	Rainfed Agriculture & Watershed Management	AECC	1	0	0	1	100
9	UG01		Departmental Elective Lecture Course-2	DEC	2	0	0	2	100
Practical									
10	UG01	AGP-3101	Epidemiology & Principles of Integrated Disease Management Lab	AECC	0	0	2	1	100
11	UG01	AGP-3102	Manures, Fertilizers and Soil Fertility Management Lab	AECC	0	0	2	1	100
12	UG01	AGP-3103	Pests of Crops and Stored Grain and their Management Lab	AECC	0	0	2	1	100
13	UG01	AGP-3104	Crop Improvement-I Lab (<i>Kharif Crops</i>)	DCC	0	0	2	1	100
14	UG01	AGP-3105	Entrepreneurship Development and Business Communication Lab	DCC	0	0	2	1	100
15	UG01	AGP-3106	Geo informatics and Nano-technology and Precision Farming Lab	DCC	0	0	2	1	100
16	UG01	AGP-3107	Livestock & Poultry Management Lab	AECC	0	0	2	1	100
17	UG01	AGP-3108	Rainfed Agriculture & Watershed Management Lab	AECC	0	0	2	1	100
18	UG01	AGP-3110	Practical Crop Production – I Lab (<i>Kharif crops</i>)	AECC	0	0	4	2	100
19	UG01		Departmental Elective Practical Course-2	DEC	0	0	2	1	100
TOTAL					13	0	22	24	1900



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Departmental Elective Lecture Course-2			Departmental Elective Practical Course-2	
S. No.	Course Code	Course	Course Code	Course
1	AGL-3112	Agribusiness Management	AGP-3112	Agribusiness Management Lab
2	AGL-3113	Weed Management	AGP-3113	Weed Management Lab
3	AGL-3114	Landscaping	AGP-3114	Landscaping Lab

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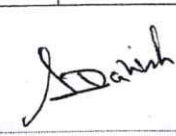
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SEMESTER VI

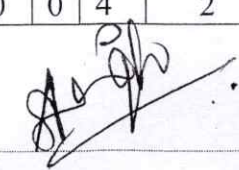
Subject Code			Subject	Subject Area	Periods			Credit	Subject Total
					L	T	P		
Theory									
1	UG01	AGL-3201	Agricultural Marketing Trade & Prices	DCC	2	0	0	2	100
2	UG01	AGL-3202	Principles of Organic Farming	DCC	1	0	0	1	100
3	UG01	AGL-3203	Renewable Energy and Green Technology	DCC	1	0	0	1	100
4	UG01	AGL-3204	Protected Cultivation and Secondary Agriculture	AECC	1	0	0	1	100
5	UG01	AGL-3205	Principles of Seed Technology	DCC	1	0	0	1	100
6	UG01	AGL-3206	Post-harvest Management and Value Addition of Fruits and Vegetables	AECC	1	0	0	1	100
7	UG01	AGL-3207	Management of Beneficial Insects	AECC	1	0	0	1	100
8	UG01	AGL-3208	Crop Improvement-II (<i>Rabi crops</i>)	DCC	1	0	0	1	100
9	UG01	AGL-3209	Principles of Food Science and Nutrition	DCC	2	0	0	2	100
10	UG01		Departmental Elective Lecture Course-3	DEC	2	0	0	2	100
Practical									
11	UG01	AGP-3201	Agricultural Marketing Trade & Prices Lab	DCC	0	0	2	1	100
12	UG01	AGP-3202	Principles of Organic Farming Lab	DCC	0	0	2	1	100
13	UG01	AGP-3203	Renewable Energy and Green Technology Lab	DCC	0	0	2	1	100
14	UG01	AGP-3204	Protected Cultivation and Secondary Agriculture Lab	AECC	0	0	2	1	100
15	UG01	AGP-3205	Principles of Seed Technology Lab	DCC	0	0	2	1	100
16	UG01	AGP-3206	Post-harvest Management and Value Addition of Fruits and Vegetables Lab	AECC	0	0	2	1	100
17	UG01	AGP-3207	Management of Beneficial Insects Lab	AECC	0	0	2	1	100
18	UG01	AGP-3208	Crop Improvement-II Lab (<i>Rabi crops</i>)	DCC	0	0	2	1	100
19	UG01	AGP-3209	Practical Crop Production Lab –II (<i>Rabi crops</i>)	AECC	0	0	4	2	100
20	UG01	AGP-	Educational Tour	AECC	0	0	4	2	100

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		3210							
21	UG01		Departmental Elective Practical Course-3	DEC	0	0	2	1	100
TOTAL					13	0	26	26	2100

Departmental Elective Lecture Course-3			Departmental Elective Practical Course-3	
S. No.	Course Code	Course	Course Code	Course
1	AGL-3212	Hi-Tech Horticulture	AGP-3212	Hi-Tech Horticulture Lab
2	AGL-3213	Micro propagation Technologies	AGP-3213	Micro propagation Technologies Lab
3	AGL-3214	System Simulation and Agro-advisory	AGP-3214	System Simulation and Agro-advisory Lab

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SEMESTER VII

Subject Code			Subject	Subject Area	Periods			Credit	Subject Total	
					L	T	P			
Practical										
1	UG01	AGT-4101	Village attachment and <i>In-situ</i> interaction of farmers and students	AECC	0	0	8	8	100	
2	UG01	AGT-4102	Unit attachment in KVK/Research station	AECC	0	0	5	5	100	
3	UG01	AGT-4103	Plant Clinic (ENTO+PPATH+HORT+AGRON+SSAC)	AECC	0	0	2	2	100	
4	UG01	AGT-4104	Agro-Industrial Attachment	AECC	0	0	3	3	100	
TOTAL						0	0	20	20	400

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SEMESTER VIII

Subject Code		Subject	Subject Area	Periods			Credit	Subject Total
				L	T	P		
Practical								
1	UG01	Departmental Elective Course-4	DEC	0	0	20	10	100
2	UG01	Departmental Elective Course-5	DEC	0	0	20	10	100
TOTAL				0	0	20	20	200

Departmental Elective Course-4		
S. No.	Course Code	Course
1	AGT-4201	Production Technology for Bio-agents and Bio-fertilizer
2	AGT-4202	Seed Production and Technology
3	AGT-4203	Mushroom Cultivation Technology
4	AGT-4204	Soil, Plant, Water and Seed Testing
5	AGT-4205	Commercial Beekeeping
6	AGT-4206	Poultry Production Technology
Departmental Elective Course-5		
7	AGT-4207	Commercial Horticulture
8	AGT-4208	Floriculture and Landscaping
9	AGT-4209	Food Processing
10	AGT-4210	Agriculture Waste Management
11	AGT-4211	Organic Production Technology
12	AGT-4212	Commercial Sericulture

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