



MANAV RACHNA UNIVERSITY
DEPARTMENT OF MATHEMATICS
B.Sc. (Hons.) Mathematics (MAU01) (2016 - 19)

SEMESTER - 1

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH113-T	ESSENTIALS OF MATHEMATICS	MA	HARD	CORE	3	1	0	0	4	4
MAH113-P	ESSENTIALS OF MATHEMATICS LAB				0	0	2	0	2	1
PHH107-T	ESSENTIALS OF PHYSICS	PH	HARD	CORE	3	1	0	0	4	4
PHH107-P	ESSENTIALS OF PHYSICS LAB				0	0	2	0	2	1
CHH101-T	GREEN CHEMISTRY	CH	HARD	CORE	3	1	0	0	4	4
CHH101-P	GREEN CHEMISTRY LAB				0	0	2	0	2	1
CSH101-T	STRUCTURED PROGRAMMING	CS	HARD	CORE	3	1	0	0	4	4
CSH101-P	STRUCTURED PROGRAMMING LAB				0	0	2	0	2	1
HLS101	BUSINESS ENGLISH	HL	SOFT	CORE	1	0	2	0	3	2
CSW151	COMPUTING WORKSHOP	CS	WORKSHOP	CORE	0	0	3	0	3	2
CHS102	ENVIRONMENTAL SCIENCE	CH	SOFT	UNIVERSITY COMPULSORY	1	0	2	0	3	0
FLS103	FRENCH-I	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	0
FLS101	SPANISH-I									
FLS102	GERMAN-I									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					15	5	15	0	35	24

SEMESTER - 2

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH115-T	ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH115-P	ALGEBRA LAB				0	0	2	0	2	1
MAH116-T	CALCULUS-I	MA	HARD	CORE	3	1	0	0	4	4
MAH116-P	CALCULUS-I LAB				0	0	2	0	2	1
CHH108-T	ESSENTIALS OF CHEMISTRY	CH	HARD	CORE	3	1	0	0	4	4
CHH108-P	ESSENTIALS OF CHEMISTRY LAB				0	0	2	0	2	1
PHH108-T	MODERN PHYSICS	PH	HARD	CORE	3	1	0	0	4	4
PHH108-P	MODERN PHYSICS LAB				0	0	2	0	2	1
HLS102	COMMUNICATIVE ENGLISH	HL	SOFT	CORE	1	0	2	0	3	2
MAW119	STATISTICS USING EXCEL	MA	WORKSHOP	CORE	0	0	3	0	3	2
FLS107	FRENCH-II	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	0
FLS105	SPANISH-II									
FLS106	GERMAN-II									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					14	5	13	0	32	24

SUMMER TRAINING POST 2nd SEMESTER

MAW120										3
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SEMESTER - 3

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH221-T	REAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH221-P	REAL ANALYSIS LAB				0	0	2	0	2	1
MAH222-T	CALCULUS-II	MA	HARD	CORE	3	1	0	0	4	4
MAH222-P	CALCULUS-II LAB				0	0	2	0	2	1
MAH223-T	DIFFERENTIAL EQUATIONS & MM I	MA	HARD	CORE	3	1	0	0	4	4
MAH223-P	DIFFERENTIAL EQUATIONS & MM I LAB				0	0	2	0	2	1
MAH224-T	GEOMETRY OF TWO AND THREE DIMENSIONS	MA	HARD	CORE	3	1	0	0	4	4
MAH224-P	GEOMETRY OF TWO AND THREE DIMENSIONS				0	0	2	0	2	1
EDS288	APPLIED PHILOSOPHY	HL	SOFT	ELECTIVE	1	0	2	0	3	2
EDS289	APPLIED PSYCHOLOGY									
EDS290	APPLIED SOCIOLOGY									
MCS231	BASICS OF ECONOMICS	MC	SOFT	ELECTIVE	1	0	2	0	3	2
MCS232	INTRODUCTION TO FINANCE									
MAW225	LaTeX	MA	WORKSHOP	CORE	0	0	3	0	3	2
FLS211	FRENCH-III	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	0
FLS209	SPANISH-III									
FLS210	GERMAN-III									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					15	5	15	0	35	26

SEMESTER - 4

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH226-T	ADVANCED ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH226-P	ADVANCED ANALYSIS LAB				0	0	2	0	2	1
MAH227-T	GROUP THEORY	MA	HARD	CORE	3	1	0	0	4	4
MAH227-P	GROUP THEORY LAB				0	0	2	0	2	1
MAH228-T	DIFFERENTIAL EQUATIONS & MM II	MA	HARD	CORE	3	1	0	0	4	4
MAH228-P	DIFFERENTIAL EQUATIONS & MM II LAB				0	0	2	0	2	1
MAH229-T	PROBABILITY & MATHEMATICAL STATISTICS	MA	HARD	CORE	3	1	0	0	4	4
MAH229-P	PROBABILITY & MATHEMATICAL STATISTICS LAB				0	0	2	0	2	1
MAS230	QUANTITATIVE APTITUDE	MA	SOFT	CORE	1	0	2	0	3	2
CHS234/ECS249	ENVIRONMENT SUSTAINABLE DEVELOPMENT/ ELECTRONIC WASTE MANAGEMENT	CH/EC	SOFT	ELECTIVE	1	0	2	0	3	2
MAW231	SPSS	MA	WORKSHOP	CORE	0	0	3	0	3	2
FLS215	FRENCH-IV	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	0
FLS213	SPANISH-IV									
FLS214	GERMAN-IV									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					15	5	15	0	35	26
MAW232	SUMMER TRAINING POST 4TH SEMESTER									3

SEMESTER - 5

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH333-T	RING THEORY	MA	HARD	CORE	3	1	0	0	4	4
MAH333-P	RING THEORY LAB				0	0	2	0	2	1
MAH334-T	NUMERICAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH334-P	NUMERICAL ANALYSIS LAB				0	0	2	1	2	2
MAH335-T	MECHANICS-I	MA	HARD	ELECTIVE (ANY TWO)	3	1	0	0	4	10
MAH335-P	MECHANICS - I LAB				0	0	2	0	2	
MAH341-T	INTEGRAL TRANSFORMS & APPLICATION				3	1	0	0	4	
MAH341-P	INTEGRAL TRANSFORMS & APPLICATION LAB				0	0	2	0	2	
MAH337-T	DISCRETE MATHEMATICS				3	1	0	0	4	
MAH337-P	DISCRETE MATHEMATICS LAB				0	0	2	0	2	
MAN338	SEMINAR	MA	NTCC	CORE	0	0	0	1	2	1
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					12	4	8 or 6	3 or 2	26 or 25	22

SEMESTER - 6

SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH339-T	LINEAR ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH339-P	LINEAR ALGEBRA LAB				0	0	2	0	2	1
MAH340-T	METRIC SPACES	MA	HARD	CORE	3	1	0	0	4	4
MAH340-P	METRIC SPACES LAB				0	0	2	0	2	1
MAH336-T	NUMBER THEORY	MA	HARD	ELECTIVE (ANY ONE)	3	1	0	0	4	5
MAH336-P	NUMBER THEORY LAB				0	0	2	0	2	
MAH342-T	LINEAR PROGRAMMING & GAME THEORY				3	1	0	0	4	
MAH342-P	LINEAR PROGRAMMING & GAME THEORY LAB				0	0	2	0	2	
MAH343-T	MECHANICS-II				3	1	0	0	4	
MAH343-P	MECHANICS-II LAB				0	0	2	0	2	
MAN344	PROJECT	MA	NTCC	CORE	0	0	0	5	0	5
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					9	3	6	6	18	20
GRAND TOTAL OF CREDITS									148	