

DEPARTMENT OF MATHEMATICS
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
Proposed Structure (To be implemented from the session 2021-2022)

Program Code : 312 BS-MS (Mathematics and Computing)
 Department : MA MATHEMATICS
 Year : I

Teaching Scheme					Contact Hours/Week			Exam Duration (Hrs.)		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Autumn Semester														
1.	MA-001	Mathematics-1	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	PH-001	Mechanics	BSC	4	3	0	2	3	0	20-35	-	20-30	40-50	-
3.	CEN-105	Introduction to Environmental Studies	GSC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
4.	HSN-001A	Communication Skills (Basic)	HSSC	2	1	0	2	2	0	20-35	-	20-30	40-50	-
	HSN-001B	Communication Skills (Advanced)	HSSC	2	1	0	2	2	0	20-35	-	20-30	40-50	-
5.	HSN-002	Introduction to Psychology	HSSC	2	1	1	0	2	0	20-35	-	20-30	40-50	-
6.	MA-101	Introduction to Mathematical Sciences	PCC	2	2	0	0	3	0	20-35	-	20-30	40-50	-
7.	MA-103	Introduction to Computer Programming	PCC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
Total				21	17	2	6							
Spring Semester														
1.	MA-004	Numerical Methods	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	MA-006	Probability and Statistics	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	MA-102	Elementary Real Analysis	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	MA-104	Number Theory	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	CSN-102	Data Structures	ESC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				20	15	5	0							