

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

M.Tech. (Materials Engineering)

[illegible]

Program Elective Courses (Materials Engineering)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
		Electives I-II (Autumn)												
1.	MTN-513	Engineering Ceramics	PEC	4	3	1	0	3	0	25	-	25	50	-
2.	MTN-522	Composite Materials	PEC	4	3	1	0	3	0	25	-	25	50	-
3.	MTN-511	Thin Film Technology	PEC	4	3	1	0	3	0	25	-	25	50	-
4.	MTN-531	Electronic Materials	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	MTN-517	High Temperature Materials	PEC	4	3	1	0	3	0	25	-	25	50	-
		Electives III-IV (Spring)												
1.	MTN-542	Biomaterials	PEC	4	3	1	0	3	0	25	-	25	50	-
2.	MTN-516	Principles of Materials Selection	PEC	4	3	1	0	3	0	25	-	25	50	-
3.	MTN-528	Tribology of Engineering Materials	PEC	4	3	1	0	3	0	25	-	25	50	-
4.	MTN-560	Nanotechnology: Materials & Devices	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	MTN-548	Diffusion in Solids	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	MTN-562	Advanced Steel Technology	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	
7.	MTN-558	Energy Storage Materials	PEC	4	3	1	0	3	0	25	-	25	50	-