

CODE	Course Title	Credits	Slot	Segment	Class Strength	Room No.	Instructor
<b>Core Courses for UGs:</b>							
<b>2nd Semester:</b>							
MS1050	Physics of solids	1	B	56	100	Audi	RR
MS1060	Polymers	1	A	12	25	A220	MK
MS1080	Computational Methods in Materials Science-I	1	B	12	35	A220	SB
MS1011	Metallography Lab	1	AN-4	13	20	B421	SRD
MS1021	Materials Synthesis Lab	1	AN-4	46	20	B421	ASD
<b>4th Semester:</b>							
MS2030	Materials Characterization II	2	E	14	35	B109	SRD
MS2050	Mechanical Behaviour of Materials	2	R	14	25	B109	RK
MS2060	Functional and Structural polymers	2	A	36	25	A220	MK
MS2080	Process Metallurgy	1	F	12	25	A220	SC
MS2090	Electronic Materials	1	S	56	25	B109	SDG
MS2100	Rate Phenomena in Process Modeling	1	P	12	35	A220	SB
MS3080	Computational Methods in Materials Science II	2	B	36	35	A220	SB
MS2011	Functional Properties Characterization Lab	2	AN-1+Q(12)	16	20	Lab	CM
<b>6th Semester:</b>							
MS3040	Thin Films	2	R	14	25	A220	CM
MS3110	Transport phenomena	2	P	36	20	A220	SB
MS3120	Phase Transformations	2	Q	14	20	A220	SC
MS3140	Technical communication	1	D	12	25	B109	SRD
MS3150	Corrosion	1	R	56	25	B109	SRKM
MS3011	Heat Treatment Lab	2	AN-3	16	20	C109/Shed lab	PPB
MS3015	Mini project	2	FN-2	16	16		SRKM
<b>Elective:</b>							
MS3240	Metal Joining	2	B	36	20	B109	SC
<b>8th Semester:</b>							
MS4050	Fracture and Fatigue	2	C	14	20	B109	RK
MS4060	Thermo-mechanical Processing	2	D	14	20	A220	PPB
MS4016	Seminar	1	C	56	20	B109	SDG
<b>Post Graduates (Compulsory):</b>							
MS5725	M.Tech. Thesis: Stage-II	12		16			
MS5621	Materials Lab-II	2	AN-3	16	20	Lab	BBP+RK
<b>Electives:</b>							
MS5040	Thermo Mechanical Processing of Materials	3	D	16	25	A220	PPB
MS5080	Thin Film Technology	3	R	16	25	A220	CM
MS5100	Composite Materials	3	C	16	20	A220	BBP
MS5140	Introduction to Computational Methods in Materials Science	3	B	16	35	A220	SB
MS5200	Phase Transformations	3	Q	16	25	A220	SC
MS 5310	Functional ceramics	3	A	16	35	B109	RR
<b>Proposed Electives:</b>							
MS5013	Practical approach to TEM	3	S	16	35	A220	SRKM
MS5330	Role of Microstructure in Materials Selection and Design	2	E	16	35	A220	BSM
MS5370	Transport Phenomena in Materials Engineering	3	P	16	35	A220	SB
MS5350	Crystallography in Materials Science	1	-	?	-	-	RP?