

**Department of Materials Science & Engineering
Indian Institute of Technology Kanpur**

Course Allocation for 2022-23 Sem I

S.No.	Course No/Name	Faculty Name	Remarks/Any Other Request/Suggestion
UG Compulsory courses			
1	ESO205: Nature & Properties of Materials	AU	
2	TA201: Manufacturing Processes	NC	
3	MSE201: Thermodynamics & Phase Equilibria	KK	
4	MSE300: Professional and Technical Communication *	SB	
5	MSE301: Phase Transformation	RM	
6	MSE302: Mechanical Behaviour of Materials	SS	
7	MSE303: Electronic & Magnetic Properties of Materials	MK	
8	MSE311: Physical Metallurgy Lab	SSS	
9	MSE313: Mechanical Behavior Lab	ShS	
PG Compulsory Courses (Not Open to UG)			
10	MSE615: Structure and Characterization of Materials	AS	
11	MSE626N: Transport Phenomena	AM	
UG / PG Electives (Devices and Bio-Engineering Stream)			
12	MSE628: Electronic Devices & Characterization **	DG	
13	MSE693: Materials Science Applications in Life Sciences**	VV	
14	MSE642: Microscopy and Microanalysis of Materials	KrB	
15	MSE658: Dislocations and Plasticity	NB	
16	MSE694: Nanostructures and Nanomaterials: Characterization and Properties	KB	
UG / PG Electives (Structure-Characterization-Property)			
17	MSE659: Powder Metallurgy	SKJ	
18	MSE670: Solidification Processing	AKS	
19	MSE671: Heat Treatment and Surface Hardening	KM	
Departmental Electives (Open for both UG and PG Students)/Other Electives/New Electives to teach. Please mention Course No/Course Name			
20	MSE629A: Modelling of steel making process	DM	
21	MSE673A: Fundamental and Application of Electrochemistry	SO	
22	MSEXXX: Thin film course from SM	SM	
23	Electives 3: New Course from RaS	RaS	
Tutors and other courses			
24	MSE690, MSE691	SI and NPG	
25	MSE699, MSE799	DPGC	
26	UGP	DUGC	
	Tutors		
28	MSO203B:	SB	
29	TA 201A: Manufacturing processes	NC, SM,	
30	ESO205: Nature & Properties of Materials	SI, AG, NPG, TM	