

List of Departmental Electives

S.NO	Name of the Course	L	T	P	Credits
1	Advanced Metallurgical Thermodynamics	2	2	0	4
2	Advances in Iron and Steel Making	2	2	0	4
3	Alloy Design and Advance Materials	2	2	0	4
4	Computational Approach to Materials Science and Engineering	2	2	0	4
5	Diffusion in solids	2	2	0	4
6	Electron Microscopy	2	2	0	4
7	Electronic and Magnetic Properties of Materials	2	2	0	4
8	Energy Materials and Fuel cell Technology	2	2	0	4
9	Environmental Degradation of Materials	2	2	0	4
10	Introduction to crystal elasticity and crystal plasticity	2	2	0	4
11	Introduction to Crystallographic texture and related phenomenon	2	2	0	4
12	Light Metals & alloys	2	2	0	4
13	Materials and Energy balance in Metallurgical Processes	2	2	0	4
14	Nano Materials	2	2	0	4
15	Processing of Semiconducting Materials	2	2	0	4
16	Secondary Steel Making	2	2	0	4
17	Selection of Materials	2	2	0	4
18	Structure of Materials	2	2	0	4
19	Surface Science and Engineering	2	2	0	4
20	Synthesis and Characterization of Nanocomposites	2	2	0	4
21	VLSI Fabrication Technology	2	2	0	4