

Metallurgy

Course name	Credit units
Advanced Materials and Processes	2
Modeling and Simulation in Materials Science and Engineering	2
Advanced Surface Engineering	2
Advanced Nanotechnology	2
Advanced Solid State Physics	2
Research Methods in Engineering Sciences	2
High temperature alloys and intermetallic compounds	2
Magnetic materials	2
Advanced powder science and technology	2
Composites	2
Biomaterials	2
Special Topics in metallurgy	2
Smart materials and shape memory alloys	2
Strengthening Mechanisms Theory	2
Advanced Non-Destructive Methods	2
Basics of design in welding engineering	2
Advanced Joining Processes	2
Advanced Quality Control	2
Advanced Welding Metallurgy	2
Microstructure simulation	2
Seminar (I)	1
Seminar (II)	1
Thesis	20