

CURRICULUM

Semester 1	Semester 2	Semester 3	Semester 4
Thermodynamics and Heat Transfer	Materials Science		Master Thesis
Ceramic Engineering	Steel Application	Design and Development of Chemically Bounded Materials	
Refractory Ceramics	Practical Course Metallurgy	Laboratory Ceramic Courses	
Metallic Materials	Research Seminar and Journal Club TAEM	Experimental Assignment (Ceramic and Steel Technology)	
Deutsch A1/1	Deutsch A1/2		
Technology of Iron and Steel			
Operations Management		Project Management	
<p>Electives A – Advanced Engineering Background</p> <p>Mechanics of Materials, Training in Fluid Dynamics, Training in Particle Technology, Thermochemical Modelling, Special Steel Technology, Practical Aspects of Thermodynamic Analysis, Simulation of Sustainable Metallurgical Process.</p> <p>Electives B – Technology</p> <p>Special Steel Technology, Melting Technology in Foundries, Fundamentals of Plastic Deformation, Supply Chain Management, Thermochemical Modelling, Conception of Project Equipment, Sensors and Actuators, Simulation of Sustainable Metallurgical Process</p>			