

METALLURGICAL ENGINEERING		1st semester				2nd semester				3rd semester				4th semester			
Courses	NEPTUN ID	Lecture	Practical course	Credit	Requirement	Lecture	Practical course	Credit	Requirement	Lecture	Practical course	Credit	Requirement	Lecture	Practical course	Credit	Requirement
<b>Core courses</b>																	
Strength of Materials	GEMET268M	2	1	6	s, e												
Metal technologies	MAKMET311M	2	1	6	s, e												
Solidification	MAKFKT357M	2	1	6	s, e												
Differential Equations	GEMAN015M					0	2	4	s, m								
Applied Chemistry and Transport Processes	MAKKEM272M					2	1	6	s, e								
Materials Equilibria	MAKFKT345M					2	0	4	s, e								
Interfacial Phenomena	MAKFKT347-17-M									3	0	4	s, e				
Summer Internship	MAKDH237M									0	40	0	s, r				
MSc Degree Thesis Work I.	MAKFKT361-17-M									0	8	10	s, m				
Project Management	MAKMET300M													0	4	4	s, e
Intellectual Properties Law	MAKPOL264-17-M													0	3	4	s, m
Quality Management Systems	GTVIM716M													3	0	4	s, e
MSc Degree Thesis Work II.	MAKFKT362-17-M													0	9	10	s, m
<b>HEAT TREATMENT AND METAL FORMING Specialization</b>																	
Physical Metallurgy of Heat Treated Metals and Alloys	MAKFKT348EN	3	0	5	s, e												
Fundamentals of Metal Forming	MAKFKT350-17-M	4	0	5	s, e												
Simulation of Heat Treatment Processes	MAKFKT349-17-M					1	3	7	s, e								
Simulation of Deformation Technologies	MAKFKT351-17-M									2	4	7	s, m				
Complex Planning or Project Work	MAKFKT352-17-M									0	3	2	s, m				
<b>Compensational courses</b>																	
Physical Metallurgy I.	MAKFKT225B	3	1	4	s, e												
Heat Treatment of Ferrous Alloys	MAKFKT255B					2	0	2	s, e								
Metallic Materials	MAKFKT277M					2	0	2	s, e								
Heat Treatment of Non-Ferrous Alloys	MAKFKT275-17-B					2	0	2	s, e								
Metal Forming	MAKFKT280B					2	2	5	s, e								
<b>ELECTIVE Courses</b>																	
Elective Course I.														2	0	3	s, r
Elective Course II.														2	0	3	s, r
Elective Course III.														2	0	3	s, r
Elective Course IV.														2	0	3	s, r