BASIC DATA	
Name of the programme:	MATERIALS ENGINEERING
Level (MSC, MA /PhD):	MSc
Degree awarded:	diploma
Name of qualification:	materials engineer
Academic year:	2021/22

MATERIALS 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
Core courses																	
Strength of Materials	GEMET268M	2	1	6	s, e												
Microctructure Investigation II.	MAKFKT346M	1	2	6	s, m												
Composites	MAKFKT305M	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	MAKDH230M									0	40	0	s, r				
MSc Degree Thesis Work I.	MAKPOL281-17-M MAKKEM281-17-M									0	8	10	s, m				
Project Management	MAKMET300M													2	0	4	s, e
Intellectual Properties Law	MAKPOL264-17-M													0	3	4	s, m
Quality Management Systems	MAKMKT520EN													3	0	4	s, e

MSc Degree Thesis Work II.	MAKPOL282-17-M MAKKEM282-17-M													0	9	10	s, m
POLYMER ENGINEERING Specialization																	
Polymer Adhesives	MAKPOL263-17-M	3	1	7	s, e												
Polymer Study II.	MAKPOL261-17-M					3	1	7	s, e								
Operation of Polymer Processing	MAKPOL262-17-M					2	2	7	s, e								
Polymer Product Design	MAKPOL263-17-M									2	4	7	s, m				
Compensational courses																	
Polymer study	MAKPOL228B	3	1	4	s, e												
Material Testing	MAKPOL227B	2	2	4	s, e												
Elastomers	MAKPOL231EN					0	2	2	s, m								
Polymer Composites	MAKPOL235-17-B									2	0	2	s, m				
CHEMICAL TECHNOLOGY Specialization																	
Colloid Chemistry	MAKKEM274-17-M	2	2	7	s, e												
Reaction Kinetics and Catalysis	MAKKEM275-17-M					3	1	7	s, e								
Chemical Processes II.	GEVGT227-17-M									3	3	7	s, e				
Modelling of Chemical Systems	MAKKEM280-17-M									2	1	3	s, m				
Optimalization of Chemical Systems	MAKKEM280-17-M									2	1	4	s, e				
Compensational courses																	
Inorganic Chemical Technologies	MAKKEM212-17-B	2	1	3	s, m												
Physical Chemistry	MAKKEM222-17-B					2	3	5	s, e								
Organic Chemical Technologies	MAKKEM212-17-B					2	1	4	s, e								
ELECTIVE Courses																	
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

List of Elective Courses	
English technical terms	MAKFKT005N2
Introduction to Archeometallurgy	MAKMÖT1MBN2
Linear Algebra	MAKFKT003N2
Nanotechnology	MAKFKT300N2
PVC and related materials	MAKPOL256N2
Self management and presentation technologies	MAKFKT004N2
Special and dangerous materials	MAKPOL250N2
Surface treatment	MAKMET255MBN2
Waste management	MAKKEM208N2