

Sept 2017

Name of the programme:	Materials Engineering
Degree awarded:	MSc
Name of qualification:	Certified materials engineer
Students:	

Materials Engineering MSc			1. semester FALL				2. sem. SPRING				3. semester FALL				4. semester SPRING			
Courses	NEPTUN ID	Time and place	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*
CORE COURSES																		
Strength of materials (Dávid GÖNCZI)	GEMET268M		2	1	6	s e												
Microstructure investigation II. (Dr. G. GERGELY)	MAKFKT346M	Wed.	1	2	6	s m												
Interfacial phenomena (Dr. György KAPTAY)	MAKFKT347-17-M										3	0	4	s e				
Differential equations (Dr. Péter VARGA)	GEMAN015M						0	2	4	s m								
Applied chemistry and transport processes (Dr. Ferenc KEMENY)	MAKKEM272M						2	1	6	s e								
Materials equilibria (Prof. György KAPTAY)	MAKFKT345M						2	0	4	s e								
Composites (Dr. Gergely Gréta)	MAKFKT305M	Thu.	2	1	6	s e												
Intellectual properties law (Dr. György CZÉL)	MAKPOL264-17-M														0	3	4	s m
Prepare of MSc degree thesis I.	MAKPOL281-17-M										0	9	10	s m				
MSc summer internship (4-week)	MAKDH230M										0	40 (sur)	6	s r				
Project management (Dr. Béla TÖRÖK)	MAKFKT300M						2	0	4	s e								
Quality management systems (László BAGYAI)	MAKMKT520-17-M														3	0	4	s e
Prepare of MSc degree thesis II.	MAKPOL282-17-M														0	8	10	s m
SPECIALIZATION COURSES																		
<i>Specialization of polymer technology</i>																		
Adhesive joining (Dr. G. ZSOLDOS)	MAKPOL260-17-M		2	2	7	s e												
Polymer study II. (Dr. K. MAROSSY)	MAKPOL261-17-M						3	1	7	s e								
Operation of polymer processing machines (Dr. Gy. CZÉL)	MAKPOL262-17-M										3	3	7	s e				
Polymer product design (Dr. M. KOLLÁR)	MAKPOL263-17-M														2	4	7	s m
<i>Compensational subjects Polymer specialization</i>																		
Polymer Study (Dr. K. MAROSSY)	MAKPOL228B		3	1	4	s e												
Polymer composites (Dr. T. SZABÓ)	MAKPOL235B										2	0	2	s e				
Elastomers (Dr. G. ZSOLDOS)	MAKPOL231B										0	2	3	s m				
Materials Testing (Dr. Gy. CZÉL)	MAKPOL227B		2	2	4	s e												
OPTIONAL COURSES (some example) 3 of these courses are needed																		
Nanotechnologies (Dr. P. BAUMLI)	MAKFKT300N		2	0	2	s r												
X-ray diffraction methods (Prof. V. MERTINGER)	MAKFKT006N		2	0	2	s r												
Application of Linear Algebra (Dr. P. KÖRTESI)	MAKFKT003N		2	0	2	s r												
Surface Treatment (Dr. T. TÖRÖK)	MAKMET255MBN		2	0	2	s r												

*Requirements: (e)exam/ (m) practical mark/ (s)signature / (r) report/essay

Credit #:	121	39	25	32	25	108
Credit number without compensation:	108					

Credits:
74

28

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