

Curriculum

Mechanical Engineering Master's Course

8th May 2021

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Mechanical Engineering Master's Course

Codes	Modules/Coupes	Semesters-classes per week																				Prerequisites	Responsible					
		1					2					3					4											
		lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.							
DUEN-IMA-150	Mathematics I.	2	1	0	E	5																						Dr. Györgyi Strauber
DUEN-MUA-152	Modern Material and Production Technologies	2	0	1	E	5																						Dr. Gábor Vizi
DUEN-MUG-154	Mechanics I.	2	1	0	E	5																						Dr..prof.András Zachár
DUEN-TVV-251	Product Management and Value Evaluation	2	1	0	E	5																						
DUEN-MUG-116	Measuring Technology and Signal Processing	1	0	2	P	5																						Dr. Gábor Pór
	Electives 1.	2	1	0	E	5																						
DUEN-MUT-150	Phisycs						1	1	1	E	5																	Dr. Endre Kiss
DUEN-TVV-252	Management Knowledge						2	1	0	E	5																	Dr. habil Mónika Rajcsányi-Molnár
DUEN-MUA-254	Degradation of Engineering Materials						2	0	1	E	5																	Dr. Zsolt Csepeli
DUEN-IMA-250	Mathematics II.						2	1	0	E	5											DUEN-IMA-150						Dr. Györgyi Strauber
	Electives 2.						4	1	1	E	10																	
DUEN-MUG-156	Reliability Theory and Structural Integrity Analysis											2	0	1	E	5						DUEN-MUG-154 DUEN-MUA-254						Dr. prof. eme. Péter Trampus
DUEN-MUT-152	Technical heat and flow theory											2	0	1	E	5												Dr. prof. Ferenc Szlivka
DUEN-MUG-095	Project Task											0	5	0	S	5												Dr. prof. Ferenc Szlivka
	Electives 3.											2	4	1	P	15												
DUEN-MUG-220	Computer- Modelling and Simulation																1	0	2	P	5	DUEN-IMA-250						Dr..prof.András Zachár
	Electives 4.																2	12	1	E/P	25							
	Weekly lec. ,tut., lab., credit	11	4	3		30	11	4	3		30	6	9	3	0	30	3	12	3		30							
	Total number of classes per week	18					18					18					18											
	Total number of credits	120																										

Specialization Lifetime Management

Codes	Modules/Couples	Semesters-classes per week																Prerequisites	Responsible					
		1					2					3					4							
		lec.	prac.	lab.	re	cr.	lec.	pra	lab.	re	cr.	lec.	pra	lab.	re	cr.	lec.			pra	lab.	re	cr.	
DUEN-MUG-150	Lifetime Management	2	1	0	E	5																		Dr. prof. eme. Péter Trampus
DUEN-MUG-255	Maintenance Strategies						2	1	0	E	5													Dr. Attila Szabó
DUEN-MUA-256	Mounting and Repair Technologies						2	0	1	E	5													Dr. Róbert Sánta
	Professional Electives (Mech. Eng. Master)											2	0	1	P	5								
DUEN-MUG-096	Thesis Project I.											0	4	0	P	10								Dr. Péter Bajor
DUEN-MUG-250	Machine Condition Monitoring Methods																2	0	1	E	5			Dr. András Nagy
DUEN-MUG-097	Thesis Project II.																0	12	0	P	20			Gábor Ladányi
	Industrial practice (4 weeks)																0	0	0	S	0			
	Weekly lec. ,tut., lab., credit	2	1	0		5	4	1	1		10	2	4	1		15	2	12	1		25			
	Total number of classes per week	3					6					7					15							
	Total number of credits	55																						

Professional Electives - Mechanical Engineering MSc

Codes	Modules/Couples	Semesters-classes per week																Prerequisites						
		1					2					3					4							
		lec.	prac.	lab.	re	cr.	lec.	pra	lab.	re	cr.	lec.	pra	lab.	re	cr.	lec.		pra	lab.	re	cr.		
DUEN-MUA-112	Weldability											2	0	1	P	5								Dr. prof. eme. Béla Palotás
DUEN-MUA-115	Special Materials and Technologies											2	0	1	P	5								Dr. Zsolt Csepeli
	Weekly lec. ,tut., lab., credit	0	0	0		0	0	0	0		0	2	0	1		5	0	0	0		0			
	Total number of classes per week	0					0					3					0							
	Total number of credits	5																						