

**Curriculum**

**Daytime Mechanical Engineering Master's Course**

Codes	Modules/Coupes	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-IMA-150	Mathematics I.	2	1	1	E	5																
DUEN-MUA-152	Up-to date Material- and Production Technologies	2	0	2	E	5																
DUEN-MUG-154	Mechanics	2	2	0	E	5																
DUEN-MUT-150	Physics	2	1	1	E	5																
DUEN-MUT-152	Thermodynamics and Fluid Mechanics	2	1	1	E	5																
	Electives 1.	2	2	0	E	5																
DUEN-TVV-251	Product Management and Value Evaluation						2	2	0	E	5											
DUEN-TVV-252	Management Knowledge						2	2	0	E	5											
DUEN-MUA-254	Damage to Engineering Materials						2	0	3	E	5											
DUEN-IMA-250	Mathematics II.						2	1	1	E	5											DUEN-IMA-150
	Electives 2.						4	1	3	E	10											
DUEN-MUG-156	Reliability Theory and Structural Integrity Analysis											2	0	1	E	5						DUEN-MUG-154 DUEN-MUA-254
DUEN-MUG-116	Measuring Technology and Signal Processing											1	0	4	P	5						
DUEN-MUG-095	Project Task											0	6	0	S	5						
	Electives 3.											2	7	1	P	15						
DUEN-MUG-220	Computer- Modelling and Simulation																0	2	3	P	5	DUEN-IMA-250
	Electives 4.																3	14	2	E/P	25	
	Weekly lec. ,tut., lab., credit	12	7	5		30	12	6	7		30	5	13	6	0	30	3	16	5		30	
	Total number of classes per week	24					25					24					24					
	Total number of credits	120																				

## Specialization Lifetime Management

Codes	Modules/Coupes	Semesters-classes per week																				Prerequisites					
		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-MUG-150	Lifetime Management	2	2	0	E	5																					
DUEN-MUG-255	Maintenance Strategies						2	1	1	E	5																
DUEN-MUA-256	Mounting and Repair Technologies						2	0	2	E	5																
	Professional Electives (Mech. Eng. Master)											2	1	1	P	5											
DUEN-MUG-096	Thesis Project I.											0	6	0	P	10											
DUEN-MUG-250	Machine Condition Monitoring Methods																3	0	2	E	5						
DUEN-MUG-097	Thesis Project II.																0	14	0	P	20						
	Industrial practice (4 weeks)																0	0	0	S	0						
	Weekly lec. ,tut., lab., credit	2	2	0		5	4	1	3		10	2	7	1		15	3	14	2		25						
	Total number of classes per week	4					8					10					19										
	Total number of credits	55																									

## Professional Electives - Mechanical Engineering MSc

Codes	Modules/Coupes	Semesters-classes per week																				Prerequisites					
		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-MUA-112	Weldability											2	1	1	P	5											
DUEN-MUA-115	Special Materials and Technologies											2	1	1	P	5											
	Weekly lec. ,tut., lab., credit	0	0	0		0	0	0	0		0	2	1	1		5	0	0	0		0						
	Total number of classes per week	0					0					4					0										
	Total number of credits	5																									

**Curriculum**

**Correspondent Mechanical Engineering Master's Course**

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.	
DUEL-IMA-150	Mathematics I.	10	5	5	E	5																
DUEL-MUA-152	Up-to date Material- and Production Technologies	10	0	10	E	5																
DUEL-MUG-154	Mechanics	10	10	0	E	5																
DUEL-MUT-150	Physics	10	5	5	E	5																
DUEL-MUT-152	Thermodynamics and Fluid Mechanics	10	5	5	E	5																
	Electives 1.	10	10	0	E	5																
DUEL-TVV-251	Product Management and Value Evaluation						10	10	0	E	5											
DUEL-TVV-252	Management Knowledge						10	10	0	E	5											
DUEI-MUA-254	Damage to Engineering Materials						10	0	15	E	5											
DUEL-IMA-250	Mathematics II.						10	5	5	E	5											DUEL-IMA-150
	Electives 2.						20	5	15	E	10											
DUEL-MUG-116	Reliability Theory and Structural Integrity Analysis											10	0	5	E	5						DUEL-MUG-154 DUEL-MUA-254
DUEL-MUG-156	Measuring Technology and Signal Processing											5	0	20	P	5						
DUEL-MUG-095	Project Task											0	30	0	S	5						
	Electives 3.											10	35	5	P	15						
DUEL-MUG-220	Computer- Modelling and Simulation																0	10	15	P	5	DUEL-IMA-250
	Electives 4.																15	70	10	E/P	25	
	Semester lec. ,tut., lab., credit	<b>60</b>	<b>35</b>	<b>25</b>		<b>30</b>	<b>60</b>	<b>30</b>	<b>35</b>		<b>30</b>	<b>25</b>	<b>65</b>	<b>30</b>		<b>30</b>	<b>15</b>	<b>80</b>	<b>25</b>		<b>30</b>	
	Total number of classes per semester	120					125					120					120					
	Total number of credits	120																				

## Specialization Lifetime Management

Codes	Modules/Coupes	Semesters-classes per week																				Prerequisites					
		1					2					3					4										
		lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.						
DUEL-MUG-150	Lifetime Management	10	10	0	V	5																					
DUEL-MUG-255	Maintenance Strategies						10	5	5	E	5																
DUEL-MUA-256	Mounting and Repair Technologies						10	0	10	E	5																
	Professional Electives (Mech. Eng. Master)											10	5	5	P	5											
DUEL-MUG-096	Thesis Project I.											0	30	0	P	10											
DUEL-MUG-250	Machine Condition Monitoring Methods																15	0	10	E	5						
DUEL-MUG-097	Thesis Project II.																0	70	0	P	20						
	Industrial practice (4 weeks)																0	0	0	S	0						
	Semester lec. ,tut., lab., credit	10	10	0		5	20	5	15		10	10	35	5		15	15	70	10		25						
	Total number of classes per semester	20					40					50					95										
	Total number of credits	55																									

## Professional Electives - Mechanical Engineering MSc

Codes	Modules/Coupes	Semesters-classes per week																				Prerequisites					
		1					2					3					4										
		lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.	lec.	prac.	lab.	re	cr.						
DUEL-MAU-112	Weldability											10	5	5	P	5											
DUEL-MAU-115	Special Materials and Technologies											10	5	5	P	5											
	Semester lec. ,tut., lab., credit	0	0	0		0	0	0	0		0	10	5	5		5	0	0	0		0						
	Total number of classes per semester	0					0					4					0										
	Total number of credits	5																									