

ALANYA ALAADDİN KEYKUBAT UNIVERSITY																							
RAFET KAYIŞ FACULTY OF ENGINEERING																							
DEPARTMENT OF MECHANICAL ENGINEERING (ENGLISH)																							
MECHANICAL ENGINEERING PROGRAM CURRICULUM																							
YEAR I																							
SEMESTER I																							
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE								
		T	P	L																			
TDB 101	TURKISH LANGUAGE I	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-								
MCE 101	INTRODUCTION TO MECHANICAL ENGINEERING	2	0	0	2	3	C	English	N	-	N	-	N	-	-								
MCE 103	TECHNICAL DRAWING	2	2	0	3	7	C	English	N	-	N	-	N	-	-								
MCE 105	PHYSICS I	3	0	1	4	5	C	English	N	-	N	-	N	-	-								
MCE 107	MATHEMATICS I	4	0	0	4	5	C	English	N		N		N										
MCE 109	INTRODUCTION TO COMPUTER AND INFORMATION SYSTEMS	1	1	0	2	2	C	English	N	-	N	-	N	-	-								
MCE 111	CHEMISTRY	3	0	1	4	4	C	English	N	-	N	-	N	-	-								
SEC 101	NONTECHNICAL ELECTIVE I	2	0	0	2	2	CE	English	N	-	N	-	Y	-	1								
TOTAL		19	3	2	23	30																	
YEAR I																							
SEMESTER II																							
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE								
		T	P	L																			
TDB 102	TURKISH LANGUAGE II	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-								
MCE 102	STATICS	3	0	0	3	5	C	English	N	-	N	-	N	-	-								
MCE 104	COMPUTER AIDED TECHNICAL DRAWING	2	2	0	3	5	C	English	N	-	Y	MCE 103	N	-	-								
MCE 106	PROBABILITY AND STATISTICS	2	0	0	2	3	C	English	N	-	N	-	N	-	-								
MCE 108	MATHEMATICS II	4	0	0	4	5	C	English	N	-	N	-	N	-	-								
MCE 110	INTRODUCTION TO SCIENTIFIC PROGRAMMING	2	2	0	3	5	C	English	N	-	N	-	N	-	-								
MCE 112	PHYSICS II	3	0	1	4	5	C	English	N	-	N	-	N	-	-								
TOTAL		18	4	1	21	30																	
YEAR II																							
SEMESTER III																							
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE								
		T	P	L																			
ATA 101	PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY I	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-								
MCE 201	STRENGTH OF MATERIALS I	3	0	0	3	5	C	English	N	-	Y	MCE 102	N	-	-								
MCE 203	DYNAMICS	3	0	0	3	6	C	English	N	-	N	-	N	-	-								
MCE 205	THERMODYNAMICS I	3	0	0	3	5	C	English	N	-	N	-	N	-	-								
MCE 207	MATERIAL SCIENCE	4	0	0	4	5	C	English	N	-	N	-	N	-	-								
MCE 209	DIFFERENTIAL EQUATIONS	4	0	0	4	5	C	English	N	-	N	-	N	-	-								
SEC 201	NONTECHNICAL ELECTIVE II	2	0	0	2	2	CE	English	N	-	N	-	Y	-	1, A								
TOTAL		21	0	0	21	30																	
YEAR II																							
SEMESTER IV																							
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE								
		T	P	L																			
ATA 102	PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY II	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-								
MCE 202	STRENGTH OF MATERIALS II	3	0	0	3	5	C	English	N	-	Y	MCE 102	N	-	-								
MCE 204	FLUID MECHANICS I	3	0	0	3	5	C	English	N	-	N	-	N	-	-								
MCE 206	THERMODYNAMICS II	3	0	0	3	5	C	English	N	-	Y	MCE 205	N	-	-								
MCE 208	NUMERICAL METHODS	3	0	0	3	4	C	English	N	-	N	-	N	-	-								
MCE 210	LINEAR ALGEBRA	3	0	0	3	5	C	English	N	-	N	-	N	-	-								
SEC 212	TECHNICAL ELECTIVE I	2	2	0	3	4	CE	English	N	-	N	-	Y	-	1								
MCE 212.1	COMPUTER AIDED DESIGN	2	2	0	3	4	E	English	N	-	N	-	Y	SEC 212	-								
MCE 212.2	COMPUTATIONAL TOOLS IN MECHANICAL ENGINEERING																						
TOTAL		19	2	0	20	30																	
YEAR III																							
SEMESTER V																							
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE								
		T	P	L																			
MCE 301	INTERNSHIP I	0	0	0	0	3	C	English	N	-	N	-	N	-	B								
MCE 303	FLUID MECHANICS II	3	0	0	3	4	C	English	N	-	Y	MCE 204	N	-	-								
MCE 305	MACHINE ELEMENTS I	3	0	0	3	5	C	English	N	-	N	-	N	-	-								
MCE 307	MANUFACTURING PROCESSES I	3	0	0	3	4	C	English	N	-	N	-	N	-	-								
MCE 309	THEORY OF MACHINES I	3	0	0	3	4	C	English	N	-	N	-	N	-	-								
MCE 311	RENEWABLE ENERGY	3	0	0	3	4	C	English	N	-	N	-	N	-	-								
SEC 313	TECHNICAL ELECTIVE II	2	2	0	3	6	CE	English	N	-	N	-	Y	-	1								
MCE 313.1	COMPUTER AIDED STRUCTURAL ANALYSIS	2	2	0	3	6	C	English	N	-	N	-	Y	SEC 313	-								
MCE 313.2	COMPUTATIONAL FLUID DYNAMICS																						
TOTAL		17	2	0	18	30																	

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YEAR III															
SEMESTER VI															
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
MCE 302	HEAT TRANSFER	4	0	0	4	5	C	English	N	-	N	-	N	-	-
MCE 304	MACHINE ELEMENTS II	3	0	0	3	5	C	English	N	-	N	-	N	-	-
MCE 306	MANUFACTURING PROCESSES II	3	0	0	3	5	C	English	N	-	N	-	N	-	-
MCE 308	THEORY OF MACHINES II	3	0	0	3	5	C	English	N	-	N	-	N	-	-
SEC 310	TECHNICAL ELECTIVE III	3	0	0	3	5	CE	English	N	-	N	-	Y	-	1
MCE 310.1	COMPOSITE MATERIALS	3	0	0	3	5	E	English	N	-	N	-	Y	SEC 310	-
MCE 310.2	REFRIGERATION														
SEC 312	TECHNICAL ELECTIVE IV	3	0	0	3	5	CE	English	N	-	N	-	Y	-	1
MCE 312.1	INTERMEDIATE STRENGTH OF MATERIALS	3	0	0	3	5	E	English	N	-	N	-	Y	SEC 312	-
MCE 312.2	PIPELINE ENGINEERING														
TOTAL		19	0	0	19	30									
YEAR IV															
SEMESTER VII															
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
MCE 401	GRADUATION PROJECT I	0	3	0	2	3	C	English	N	-	Y	-	N	-	4
MCE 403	MECHANICAL ENGINEERING LABORATORY I	1	0	2	2	3	C	English	N	-	N	-	N	-	4
MCE 405	CONTROL SYSTEMS	3	0	0	3	4	C	English	N	-	N	-	N	-	-
MCE 407	INTERNSHIP II	0	0	0	0	3	C	English	N	-	N	-	N	-	B
ISG 401	OCCUPATIONAL HEALTH AND SAFETY I	2	0	0	2	2	C	English	N	-	N	-	N	-	-
SEC 409	TECHNICAL ELECTIVE V	3	0	0	3	5	CE	English	N	-	N	-	Y	-	3
MCE 409.1	INTRODUCTION TO FRACTURE MECHANICS	3	0	0	3	5	E	English	N	-	N	-	Y	SEC 409	-
MCE 409.2	MECHANICS OF COMPOSITE STRUCTURES														
MCE 409.3	HVAC SYSTEMS														
MCE 409.4	ROBOTICS														
MCE 409.5	COMBUSTION AND ENGINES														
MCE 409.6	COMPUTER AIDED MANUFACTURING														
MCE 409.7	AUTOMOTIVE TECHNOLOGY														
TOTAL		15	3	2	18	30									
YEAR IV															
SEMESTER VIII															
COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRE-CONDITION STATUS	PRE-CONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
MCE 402	GRADUATION PROJECT II	0	3	0	2	4	C	English	N	-	Y	MCE 401	N	-	-
MCE 404	MECHANICAL ENGINEERING LABORATORY II	1	0	2	2	4	C	English	N	-	N	-	N	-	4
ISG 402	OCCUPATIONAL HEALTH AND SAFETY II	1	0	0	1	1	C	English	N	-	N	-	N	-	-
SEC 406	TECHNICAL ELECTIVE VI	3	0	0	3	6	CE	English	N	-	N	-	Y	-	3
MCE 406.1	ENERGY EFFICIENCY AND MANAGEMENT	3	0	0	3	6	E	English	N	-	N	-	Y	SEC 406	-
MCE 406.2	APPLIED MECHANICS														
MCE 406.3	ENERGY TECHNOLOGY														
MCE 406.4	MECHANICAL VIBRATIONS														
MCE 406.5	INTERMEDIATE MANUFACTURING PROCESSES														
MCE 406.6	MATERIALS CHARACTERIZATION														
SEC 408	NONTECHNICAL ELECTIVE III	2	0	0	2	3	CE	English	N	-	N	-	Y	-	1
MCE 408.1	ENGINEERING ETHICS	2	0	0	2	3	E	English	N	-	N	-	Y	SEC 408	-
MCE 408.2	TOTAL PRODUCTIVE MANAGEMENT														
MCE 408.3	TOTAL QUALITY MANAGEMENT														
MCE 408.4	ENTREPRENEURSHIP														
MCE 408.5	ECONOMICS														
MCE 408.6	PROJECT MANAGEMENT														
TOTAL		13	3	2	16	30									
*Abbreviations: T: Theoretical, P: Practice, L: Laboratory, C: Compulsory, E: Elective, CE: Compulsory Elective, Y: Yes, N: No															
DESCRIPTIONS															
1	Only 1 (one) course from the related group must be selected.														
2	Only 2 (two) courses from the related group must be selected.														
3	Only 3 (three) courses from the related group must be selected.														
4	In order to take this course, the student must be classified as 4th (fourth) class based on ALKÜ Ön Lisans ve Lisans Eğitim Öğretim Yönetmeliği.														
A	Appropriate elective courses are available in OBS.														
B	Students must complete their workplace training (internships) to be successful from this course.														

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DERSİN ALANI	T	U	K	AKTS	Toplam AKTS'ye Oranı (%)	ZORUNLU DERSLER		SEÇMELİ DERSLER	
						AKTS	Toplam AKTS'ye Oranı (%)	AKTS	Toplam AKTS'ye Oranı (%)
Alan Dersleri	41	6	48	60	25,00%	60	25,00%	53	22,08%
Meslek Dersleri	64	14	68	120	50,00%	120	50,00%	7	2,92%
Seçmeli Dersler	34	4	40	60	25,00%				
Genel Toplam	139	24	156	240	100,00%	180	% 75	60	25,00%

Uzaktan Verilecek Derslerin Öğretim Planı Bazında Oranı : %5