				D	RA EPARTM	FET KAY ENT OF	YIŞ FACU MECHAN LOR DEG	KEYKUBAT V LTY OF ENG NICAL ENGI REE CURRIG	INEERING NEERING (E						
		_	_	_				EAR 1							
COURSE CODE	COURSE NAME	COU T	RSE H	IOUR L	LOCAL CREDIT	ECTS	COURSE TYPE	ESTER 1 TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
TDB 101	Turkish Language I	2	0	0	2	2	С	Turkish	Ν	-	Ν	-	Ν	-	-
MEC 101	Introduction to Mechanical Engineering	2	0	0	3	3	С	English	Ν	-	Ν	-	N	-	-
MEC 103	Technical Drawing	2	2	0	7	7	С	English	Ν	-	Ν	-	Ν	-	-
MEC 105	Physics I	3	0	1	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 107	Mathematics I	4	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 109	Introduction to Computer and Information Systems	1	1	0	2	2	С	English	Ν	-	Ν	-	Ν	-	-
MEC 111	Chemistry	3	0	0	4	4	С	English	Ν	-	Ν	-	Ν	-	-
SEC 101	Elective Course 1 (Out of Area)	2	0	0	2	2	CE	English	Ν	-	Ν	-	Y	-	1, A
	TOTAL	19	3	1	30	30				-	-	-			

	YEAR 1														
SEMESTER 2															
COURSE CODE	COURSE NAME	COU	RSE H	OUR	LOCAL	FCTS	ECTS COURSE TYPE		SIDE CONDITION	SIDE CONDITION		PRECONDITION	GROUP	GROUP COURSE	DESCRIPTION
COURSE CODE		Т	Р	L	CREDIT	Leib		LANGUAGE	STATUS	CODE	STATUS	CODE	STATUS	CODE	CODE
TDB 102	Turkish Language II	2	0	0	2	2	С	Turkish	Ν	-	Ν	-	Ν	-	-
MEC 102	Statics	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 104	Computer Aided Technical Drawing	2	2	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 106	Fundamentals of Electrical-Electronical Engineering	2	0	0	3	3	С	English	Ν	-	Ν	-	Ν	-	-
MEC 108	Mathematics II	4	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 110	Introduction to Scientific Programming	2	2	0	5	5	С	English	Ν	-	Ν	-	N	-	-
MEC 112	Physics II	3	0	1	5	5	С	English	Ν	-	Ν	-	Ν	-	-
	TOTAL	1	30	30											

EK 2: DETAYLI MÜFREDAT DERS PLANI-EN

	YEAR 2														
	SEMESTER 3														
COURSE CODE	COURSE NAME	COURSE HOUR		LOCAL	ECTS	COURSE		SIDE CONDITION	SIDE CONDITION	PRECONDITION STATUS	PRECONDITION CODE	GROUP	GROUP COURSE	DESCRIPTION	
		Т	Р	L	CREDIT		TYPE	LANGUAGE	STATUS	CODE	STATUS	CODE	STATUS	CODE	CODE
	Principles of Ataturk and Turkish Revolution History I	2	0	0	2	2	С	Turkish	Ν	-	N	-	Ν	-	-
MEC 201	Strength of Materials I	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 203	Dynamics	4	0	0	6	6	С	English	N	-	N	-	Ν	-	-
MEC 205	Thermodynamics I	3	0	0	5	5	С	English	N	-	N	-	Ν	-	-
MEC 207	Material Science	4	0	0	5	5	C	English	N	-	N	-	Ν	-	-
MEC 209	Differantial Equations	4	0	0	5	5	С	English	Ν	-	N	-	Ν	-	-
SEC 201	Elective Course 2 (Out of Area)	2	0	0	2	2	CE	English	Ν	-	N	-	Y	-	1, A
TOTAL 22 0				0	30	30		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•				

	YEAR 2 SEMESTER 4														
COURSE CODE	COURSE NAME	COU	COURSE HOUR		LOCAL	ECTS	COURSE	TEACHING	SIDE CONDITION	SIDE CONDITION	PRECONDITION	PRECONDITION	GROUP	GROUP COURSE	DESCRIPTION
COURSE CODE	COURSE NAME	Т	Р	L	CREDIT	ECIS	TYPE	LANGUAGE	STATUS	CODE	STATUS	CODE	STATUS	CODE	CODE
$\Delta^{(1)}\Delta^{(1)}$	Principles of Ataturk and Turkish Revolution History II	2	0	0	2	2	С	Turkish	Ν	-	N	-	Ν	-	-
MEC 202	Strength of Materials II	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 204	Fluid Mechanics I	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 206	Thermodynamics II	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 208	Numerical Methods	3	0	0	4	4	С	English	Ν	-	Ν	-	Ν	-	-
MEC 210	Internal Combustion Engines	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
SEC 202	Elective Course III (Technical Course)	2	2	0	4	4	CE	English	Ν	-	Ν	-	Y	-	1
SEC 202.1	Introduction to Finite Element Methods														
SEC 202.2	Mathematical Tools for Mechanical Engineers	2	2	0	4	4	Е	English	Ν	-	N	_	Y	SEC 202	-
SEC 202.3	Introduction to Automotive Engineering							e							
SEC 202.4	Computer Aided Material Design]													
	TOTAL	19	2	0	30	30								•	

								EAR 3							
	-				-		SEMI	ESTER 5	-	-	-	-			
COURSE CODE	COURSE NAME	COL T	RSE H	IOUR	LOCAL CREDIT	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
MEC 301	Internship I	0	0	0	2	2	С	English	N		N	-	N		В
MEC 303	Fluid Mechanics II	3	0	0	5	5	C	English	N	-	N	-	N	-	-
MEC 305	Machine Elements I	3	0	0	5	5	C	English	N	_	N	-	N	_	_
MEC 307	Manufacturing Processes I	3	0	0	5	5	C	English	N	_	N	_	N	_	_
MEC 309	Theory of Machines I	3	0	0	5	5	C	English	N	-	N	-	N	-	-
MEC 311	Renewable Energy	2	0	1	4	4	С	English	N	-	N	-	N	-	-
SEC 301	Elective Cource IV (Design Course)	2	0	2	6	6	CE	English	Ν	-	N	-	Y	-	1
SEC 301.1	Computer Aided Design			1											
SEC 301.2	Computer Aided Structural Analysis		0		6	6						-	Y	000001	
SEC 301.3	Computational Fluid Dynamics	2		2			Е	English	Ν	-	Ν			SEC 301	-
SEC 301.4	Computer Aided Manufacturing														
	TOTAL	16	0	3	32	32									
								EAR 3 ESTER 6							
COURSE CODE	COUDEE NAME	COL	RSE H	IOUR	LOCAL	ECTE			SIDE	SIDE	PRECONDITION	PRECONDITION	GROUP	GROUP	DESCRIPTION
COURSE CODE	COURSE NAME	COU T	RSE H	IOUR L	LOCAL CREDIT	ECTS	SEM	ESTER 6	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
COURSE CODE MEC 302	COURSE NAME Heat Transfer		1			ECTS 6	SEMI COURSE	ESTER 6 TEACHING	CONDITION	CONDITION				COURSE	
		Т	Р	L	CREDIT		SEMI COURSE TYPE	ESTER 6 TEACHING LANGUAGE	CONDITION STATUS	CONDITION CODE	STATUS	CODE	STATUS	COURSE CODE	
MEC 302	Heat Transfer	T 4	P 0	L 0	CREDIT 6	6	SEMI COURSE TYPE C	ESTER 6 TEACHING LANGUAGE English	CONDITION STATUS N	CONDITION CODE	STATUS N	CODE -	STATUS N	COURSE CODE	
MEC 302 MEC 304	Heat Transfer Machine Elements II	T 4 3	P 0	L 0 0	CREDIT 6 5	6 5	SEMI COURSE TYPE C C C	ESTER 6 TEACHING LANGUAGE English English	CONDITION STATUS N N	CONDITION CODE -	STATUS N N		STATUS N N	COURSE CODE - -	
MEC 302 MEC 304 MEC 306	Heat Transfer Machine Elements II Manufacturing Processes II	T 4 3 3	P 0 0 0	L 0 0	CREDIT 6 5 5	6 5 5	SEMI COURSE TYPE C C C C	ESTER 6 TEACHING LANGUAGE English English English	CONDITION STATUS N N N	CONDITION CODE - - -	STATUS N N N		STATUSNNN	COURSE CODE - - -	
MEC 302 MEC 304 MEC 306 MEC 308	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II	T 4 3 3 3	P 0 0 0 0 0	L 0 0 0 0	CREDIT 6 5 5 5 5	6 5 5 5 5	SEMI COURSE TYPE C C C C C	ESTER 6 TEACHING LANGUAGE English English English English	CONDITION STATUS N N N N	CONDITION CODE - - - -	STATUS N N N N	CODE	STATUSNNNN	COURSE CODE - - - -	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course)	T 4 3 3 3 3 3 3	P 0 0 0 0 0 0	L 0 0 0 0	CREDIT 6 5 5 5 3	6 5 5 5 3	SEMI COURSE TYPE C C C C C C C C C C	ESTER 6 TEACHING LANGUAGE English English English English	CONDITION STATUS N N N N N	CONDITION CODE - - - -	STATUS N N N N	CODE	STATUS N N N Y	COURSE CODE	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency	T 4 3 3 3	P 0 0 0 0 0	L 0 0 0 0	CREDIT 6 5 5 5 5	6 5 5 5 5	SEMI COURSE TYPE C C C C C	ESTER 6 TEACHING LANGUAGE English English English English	CONDITION STATUS N N N N	CONDITION CODE - - - -	STATUS N N N N	CODE	STATUSNNNN	COURSE CODE - - - -	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality	T 4 3 3 3 3 3 3	P 0 0 0 0 0 0	L 0 0 0 0	CREDIT 6 5 5 5 3	6 5 5 5 3	SEMI COURSE TYPE C C C C C C C C C C	ESTER 6 TEACHING LANGUAGE English English English English	CONDITION STATUS N N N N N	CONDITION CODE	STATUS N N N N		STATUS N N N Y	COURSE CODE	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2 SEC 302.3	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality Control	T 4 3 3 3 3 3 3	P 0 0 0 0 0 0	L 0 0 0 0	CREDIT 6 5 5 5 3	6 5 5 5 3	SEMI COURSE TYPE C C C C C C C C C C	ESTER 6 TEACHING LANGUAGE English English English English	CONDITION STATUS N N N N N	CONDITION CODE	STATUS N N N N		STATUS N N N Y	COURSE CODE	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2 SEC 302.3 SEC 302.4	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality Control Basic Die Technologies	T 4 3 3 3 3 3 3 3 3 3 3 3 3	P 0 0 0 0 0 0 0 0 0	L 0 0 0 0 0 0	CREDIT 6 5 5 5 3 3 3	6 5 5 3 3	SEMI COURSE TYPE C C C C C C C E	ESTER 6 TEACHING LANGUAGE English English English English English	CONDITION STATUS N N N N N	CONDITION CODE	STATUS N N N N N N N	CODE	STATUS N N N Y Y	COURSE CODE SEC 302	CODE
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2 SEC 302.3 SEC 302.4 SEC 304	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality Control Basic Die Technologies Elective Cource VI (Design Course) Applied Thermodynamics	T 4 3 3 3 3 3 3 3 3 3 3 3 3 2	P 0 0 0 0 0 0 0 0 0 0 0 0 0	L 0 0 0 0 0 0 2	CREDIT 6 5 5 5 3 3 6	6 5 5 3 3 6	SEMI COURSE TYPE C C C C C C C E E	ESTER 6 TEACHING LANGUAGE English English English English English English English English	CONDITION STATUS N N N N N N	CONDITION CODE	STATUS N N N N N N	CODE	STATUS N N N Y Y Y	COURSE CODE	CODE
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2 SEC 302.3 SEC 302.4 SEC 304 SEC 304.1 SEC 304.2	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality Control Basic Die Technologies Elective Cource VI (Design Course) Applied Thermodynamics	T 4 3 3 3 3 3 3 3 3 3 3 3 3	P 0 0 0 0 0 0 0 0 0	L 0 0 0 0 0 0	CREDIT 6 5 5 5 3 3 3	6 5 5 3 3	SEMI COURSE TYPE C C C C C C C E	ESTER 6 TEACHING LANGUAGE English English English English English	CONDITION STATUS N N N N N	CONDITION CODE	STATUS N N N N N N N	CODE	STATUS N N N Y Y	COURSE CODE SEC 302	
MEC 302 MEC 304 MEC 306 MEC 308 SEC 302 SEC 302.1 SEC 302.2 SEC 302.3 SEC 302.4 SEC 304 SEC 304.1 SEC 304.2	Heat Transfer Machine Elements II Manufacturing Processes II Theory of Machines II Elective Course V (Technical Course) Energy Efficiency Pipeline Engineering Engineering Metrology and Quality Control Basic Die Technologies Elective Cource VI (Design Course) Applied Thermodynamics Applied Heat Transfer	T 4 3 3 3 3 3 3 3 3 3 3 3 3 2	P 0 0 0 0 0 0 0 0 0 0 0 0 0	L 0 0 0 0 0 0 2	CREDIT 6 5 5 5 3 3 6	6 5 5 3 3 6	SEMI COURSE TYPE C C C C C C C E E	ESTER 6 TEACHING LANGUAGE English English English English English English English English	CONDITION STATUS N N N N N N	CONDITION CODE	STATUS N N N N N N	CODE	STATUS N N N Y Y Y	COURSE CODE	

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YEAR 4															
							SEMI	ESTER 7							
COURSE CODE	COURSE NAME		URSE HOUR		LOCAL CREDIT ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION	SIDE CONDITION	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE	DESCRIPTION CODE	
		Т	Р	L	CREDIT		THE	LANGUAGE	STATUS	CODE			STATUS	CODE	0022
MEC 401	Mechanical Engineering Design	0	3	0	6	6	C	English	N	-	Y	-	Ν	-	4
MEC 403	Mechanical Engineering Laboratory I	1	0	2	2	2	С	English	N	-	Ν	-	Ν	-	-
MEC 405	Control Systems	3	0	0	5	5	С	English	Ν	-	Ν	-	Ν	-	-
MEC 407	Internship II	0	0	0	3	3	С	English	Ν	-	Ν	-	Ν	-	В
ISG 401	Occupational Health and Safety I	2	0	0	2	2	С	English	Ν	-	Ν	-	Ν	-	-
SEC 401	Elective Course VII (Technical Course)	3	0	0	5	5	CE	English	Ν	-	Ν	-	Y	-	3
SEC 401.1	Introduction to Fracture Mechanics														
SEC 401.2	Intermediate Strength of Materials														
SEC 401.3	HVAC Systems	3	0	0	5	5	Е	English	Ν	-	Ν	-	Е	SEC 401	-
SEC 401.4	Automation & Robotics]													
SEC 401.5	Quality Control in Manufacturing														
	TOTAL	15	3	2	33	33									

EK 2: DETAYLI MÜFREDAT DERS PLANI-EN

								CAR 4 ESTER 8							
COURSE CODE	COURSE NAME	COU T	RSE H	IOUR	LOCAL CREDIT	ECTS	COURSE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
MEC 402	Graduation Project	0	3	0	6	6	С	English	N	- CODE	Y	MEC 401	N	- CODE	5
MEC 404	Mechanical Engineering Laboratory II	1	0	2	2	2	С	English	N	-	N	-	N	-	-
ISG 402	Occupational Health and Safety II	1	0	0	1	1	С	English	N	-	N	-	N	-	-
SEC 402	Elective Course VIII (Technical Course)	3	0	0	6	6	CE	English	Ν	-	N	-	Y	-	3
SEC 402.1	Refrigeration Technology						CE		N	-					
SEC 402.2	Experimental Mechanics	1		0	6	6					Ν	-	Y	SEC 402	-
SEC 402.3	Thermal Power Engineering	2	0				Б								
SEC 402.4	Mechanical Vibrations	3	0	0			E	English							
SEC 402.5	Intermediate Manufacturing Process														
SEC 402.6	Robotic Design														
SEC 404	Elective Course IX (Out of Area)	2	0	0	3	3	CE	English	Ν	-	Ν	-	Y	-	1
SEC 404.1	Engineering Ethics														
SEC 404.2	Total Productive Management														
SEC 404.3	Total Quality Management	2	0	0	3	3	Е	English	Ν	-	N	-	Y	SEC 404	_
SEC 404.4	Entrepreneurship		0	0	3	3	E	English	11	-	1N	-	1	SEC 404	-
SEC 404.5	Economics														
SEC 404.6	Project Management														
TOTAL		13	3	2	30	30									

FINAL TOTAL

139 15 11 245 245

*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 (MEC 401 Mechanical Engineering Design), the student must be classified as 4th (fourth) class according to ALKÜ Ön Lisans ve Lisans Eğitim Öğretim Yönetmeliği.	
5 In order to take this course (MEC 402 Graduation Project), the student must have succeeded in MEC 401 Mechanical Engineering Design with a score of at least CC.	
A Appropriate elective courses are available in OBS.	
B Students must complete their workplace training (internships) provided that they are at least 40 working days from the second grade. Those who complete their workplace education are considered successful from this course. The workplace education course does not participate in the grade point average.	