

MECHANICAL ENGINEERING DEPARTMENT

FIRST SEMESTER

Code		Courses	T	U	L	Y Credit	ECTS
ME	101	Introduction to Mechanical Engineering	1	0	2	2	7
CHEM	101	General Chemistry	3	1	1	4	6
AFEA	111	Conversation Course in English I	3	0	0	3	4
MATH	131	Calculus I	3	2	0	4	6
PHYS	101	Physics I	3	0	2	4	6
Total			13	3	5	17	29

Second Semester

Code		Courses	T	U	L	Y Credit	ECTS
ME	182	Engineering Graphics & Solid Modeling	2	0	2	3	7
AFE	131	Academic English I	2	2	0	3	4
MATH	132	Calculus II	3	2	0	4	6
PHYS	102	Physics II	3	0	2	4	6
HUM	103	Humanities	2	0	0	2	3
ES	117	Introduction to Scientific Computing	2	0	2	3	5
Total			14	4	6	19	31

Third Semester

Code		Courses	T	U	L	Y Credit	ECTS
ME	211	Thermodynamics I	2	1	1	3	6
ME	241	Statics	3	0	0	3	6
MATH	221	Linear Algebra	3	1	0	4	6
MATH	241	Differential Equations	3	2	0	4	6
AFE	132	Academic English II	2	2	0	3	4
TKL	201	Turkish Language I	2	0	0	2	2
Total			15	6	1	19	30

Fourth Semester

Code		Courses	T	U	L	Y Credit	ECTS
ME	212	Thermodynamics II	3	0	0	3	5
ME	244	Dynamics	2	2	0	3	6
ME	246	Strength of Materials	2	2	0	3	6
ME	264	Material Science for Mechanical Engineers	3	0	0	3	4
ME	266	Solid Mechanics Laboratory	1	0	2	2	3
ES	222	Fundamentals of EEE	3	0	0	3	4
TKL	202	Turkish Language II	2	0	0	2	2
Total			16	4	2	19	30

Fifth Semester							
Code		Courses	T	U	L	Y Credit	ECTS
ME	331	Fluid Mechanics	2	2	0	3	6
ME	333	Fluid Mechanics Laboratory	1	0	2	2	3
ME	343	Machine Elements I	2	2	0	3	5
ME	363	Manufacturing Processes	3	0	0	3	5
ME	371	Numerical Methods in Mechanical Engineering	2	0	2	3	6
ES	301	Engineering Management	3	0	0	3	4
Total			13	4	4	17	29
Sixth Semester							
Code		Courses	T	U	L	Y Credit	ECTS
ME	324	Heat Transfer	2	2	2	4	8
ME	344	Machine Elements II	2	2	0	3	6
ME	352	System Dynamics and Control	3	1	1	4	7
ME	XX1	Restricted Elective I	3	0	0	3	5
FE	XX1	Free Elective I	3	0	0	3	5
Total			13	5	3	17	31
Seventh Semester							
Code		Courses	T	U	L	Y Credit	ECTS
ME	403	Instrumentation and Experiment Design	2	0	2	3	6
ME	427	Thermal System Design	2	2	0	3	6
ME	445	Mechanical Vibrations	3	0	0	3	5
ME	XX2	Restricted Elective II	3	0	0	3	5
ME	XX3	Restricted Elective III	3	0	0	3	5
HTR	301	History of Turkish Revolution I	2	0	0	2	2
ME	400	Summer Practice	0	2	0	0	1
Total			15	4	2	17	30
Eighth Semester							
Code		Courses	T	U	L	Y Credit	ECTS
ME	482	Design of Mechanical Systems	2	2	0	3	5
ME	492	Engineering Project	1	0	4	3	8
ME	XX4	Restricted Elective IV	3	0	0	3	5
ME	XX5	Restricted Elective V	3	0	0	3	5
HTR	302	History of Turkish Revolution II	2	0	0	2	2
FE	XX2	Free Elective II	3	0	0	3	5
Total			14	2	4	17	30
General Total						142	240