

1st YEAR FALL SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
OD 107	CAREER PLANNING	1	0	1	2
OD 113	TURKISH I	2	0	2	2
OD 117	ADVANCED ENGLISH I	3	0	3	4
TM 105	MATHEMATICS I	4	0	4	5
TM 107	GENERAL CHEMISTRY	3	1	3.5	5
TM 109	PHYSICS I	3	1	3.5	5
MM 101	INTRODUCTION TO MECHANICAL ENGINEERING	2	0	2	3
MM 103	COMPUTER AIDED ENGINEERING DRAWING I	2	2	3	4
TOTAL		20	4	22	30

1st YEAR SPRING SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
OD 114	TURKISH II	2	0	2	2
OD 118	ADVANCED ENGLISH II	3	0	3	4
TM 106	MATHEMATICS II	4	0	4	5
TM 108	PHYSICS II	3	1	3.5	5
MM 102	STATICS	3	0	3	5
MM 104	COMPUTER AIDED ENGINEERING DRAWING II	2	2	3	4
MM 106	COMPUTER PROGRAMMING	2	1	2.5	5
TOTAL		19	4	21	30

2nd YEAR FALL SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
TM 203	DIFFERENTIAL EQUATIONS	3	0	3	5
MM 201	THERMODYNAMICS I	3	0	3	5
MM 203	STRENGTH OF MATERIALS I	3	0	3	5
MM 205	DYNAMICS	3	0	3	5
MM 207	MATERIALS SCIENCE	3	0	3	5
MM 209	TECHNICAL ENGLISH	2	0	2	2
MM 211	FUNDAMENTALS OF ELECTRICITY AND ELECTRONICS	3	0	3	3
TOTAL		20	0	20	30

2nd YEAR SPRING SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
TM 202	ENGINEERING MATHEMATICS	3	0	3	5
TM 204	NUMERICAL ANALYSIS	3	0	3	4
MM 202	THERMODYNAMICS II	3	0	3	5
MM 204	STRENGTH OF MATERIALS II	3	0	3	5
MM 206	COMPUTER AIDED DESIGN	2	2	3	5
MM 208	ENGINEERING MATERIALS	3	0	3	4
MM 210	BUSINESS ENGLISH	2	0	2	2
TOTAL		19	2	20	30

3 rd YEAR FALL SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 301	MACHINE ELEMENTS I	3	0	3	5
MM 303	SYSTEM DYNAMICS AND CONTROL	3	0	3	5
MM 305	FLUID MECHANICS I	3	0	3	5
MM 307	INTERNAL COMBUSTION ENGINES	3	0	3	4
MM 309	MANUFACTURING METHODS	3	0	3	4
MM 311	MEASUREMENT TECHNIQUES	3	0	3	3
-	TECHNICAL ELECTIVE I	3	0	3	4
TOTAL		21	0	21	30

3 rd YEAR SPRING SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 302	MACHINE ELEMENTS II	3	0	3	5
MM 304	HEAT TRANSFER	4	0	4	5
MM 306	FLUID MECHANICS II	3	0	3	4
MM 308	THEORY OF MACHINES	3	0	3	4
MM 310	STATISTICS	3	0	3	4
-	TECHNICAL ELECTIVE II	3	0	3	4
-	TECHNICAL ELECTIVE III	3	0	3	4
TOTAL		22	0	22	30

4 th YEAR FALL SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
OD 111	ATATURK PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2	0	2	2
MM 401	MECHANICAL ENGINEERING LABORATORY I	1	2	2	6
MM 403	ENGINEERING DESIGN	3	1	3.5	6
MM 405	OCCUPATIONAL HEALTH AND SAFETY I	2	0	2	3
-	MECHANICAL ELECTIVE I	3	0	3	5
-	THERMAL ELECTIVE I	3	0	3	5
-	SOCIAL ELECTIVE I	2	0	2	3
TOTAL		16	3	17.5	30

4 th YEAR SPRING SEMESTER					
COURSE CODE	COURSE NAME	T	P	C	ECTS
OD 112	ATATURK PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2	0	2	2
MM 402	MECHANICAL ENGINEERING LABORATORY II	1	2	2	6
MM 404	GRADUATION PROJECT	0	2	1	6
MM 406	OCCUPATIONAL HEALTH AND SAFETY II	2	0	2	3
-	MECHANICAL ELECTIVE II	3	0	3	5
-	THERMAL ELECTIVE II	3	0	3	5
-	SOCIAL ELECTIVE II	2	0	2	3
TOTAL		13	4	15	30
SOCIAL ELECTIVE I					

COURSE CODE	COURSE NAME	T	P	C	ECTS
SS 201	ACADEMIC TURKISH I	2	0	2	3
SS 203	ENTREPRENEURSHIP I	2	0	2	3
SS 205	ENTERPRISE RESOURCE PLANNING I	2	0	2	3
SS 207	PROJECT MANAGEMENT	2	0	2	3
SS 209	HUMAN RESOURCES MANAGEMENT	2	0	2	3
SS 211	ENGINEERING ETHICS	2	0	2	3
SS 213	HISTORY OF SCIENCE	2	0	2	3
SS 215	SOCIAL PSYCHOLOGY	2	0	2	3
SS 219	FOTOGRAHY	2	0	2	3
SS 221	COMMUNICATION	2	0	2	3
SS 223	EFFECTIVE AND GOOD SPEAKING	2	0	2	3
SS 225	FINANCIAL LITERACY	2	0	2	3
SS 227	CREATIVE DRAMA AND IMPROVISATION	2	0	2	3
SS 229	VOLUNTEERING ACTIVITIES	1	2	2	3

SOCIAL ELECTIVE II					
COURSE CODE	COURSE NAME	T	P	C	ECTS
SS 202	ACADEMIC TURKISH II	2	0	2	3
SS 204	ENTREPRENEURSHIP II	2	0	2	3
SS 206	ENTERPRISE RESOURCE PLANNING II	2	0	2	3
SS 208	PRODUCTION MANAGEMENT	2	0	2	3
SS 210	BUSINESS MANAGEMENT	2	0	2	3
SS 212	FACTORY ORGANIZATION	2	0	2	3
SS 214	QUALITY MANAGEMENT SYSTEMS	2	0	2	3
SS 216	TECHNOLOGY MANAGEMENT AND R&D	2	0	2	3
SS 218	MARKETING	2	0	2	3
SS 220	BUSINESS LAW	2	0	2	3
SS 222	TECHNICAL COMMUNICATION	2	0	2	3
SS 224	SERVICE MARKETING	2	0	2	3
SS 226	E-COMMERCE	2	0	2	3
SS 228	CURRENT ECONOMIC ISSUES	2	0	2	3
SS 230	PUBLIC RELATIONS	2	0	2	3

TECHNICAL ELECTIVE I					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 321	INDUSTRIAL AUTOMATION SYSTEMS	3	0	3	4
MM 323	INTERNET OF THINGS	3	0	3	4
MM 325	INTRODUCTION TO CYBER SECURITY	3	0	3	4
MM 327	SENSORS, SIGNAL OPTIMIZATION AND DATA	3	0	3	4
MM 329	DATA MINING	3	0	3	4
MM 331	INTRODUCTION TO CYBER SECURITY	3	0	3	4
MM 333	MACHINE LEARNING	3	0	3	4

TECHNICAL ELECTIVE II

COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 322	RENEWABLE ENERGY RESOURCES	3	0	3	4
MM 324	AERODYNAMICS	3	0	3	4
MM 326	MODELLING AND SIMULATION	3	0	3	4
MM 328	HYBRID AND ELECTRICAL VEHICLES	3	0	3	4
MM 330	COMPOSITE MATERIALS	3	0	3	4
MM 332	COMPUTATIONAL FLUID DYNAMICS	3	0	3	4

TECHNICAL ELECTIVE III					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 334	NUCLEAR ENERGY	3	0	3	4
MM 336	WELDING TECHNOLOGY	3	0	3	4
MM 338	FUELS AND COMBUSTION	3	0	3	4
MM 340	ENVIRONMENT AND ENERGY	3	0	3	4
MM 342	FINITE ELEMENT ANALYSIS	3	0	3	4
MM 344	BATTERY TECHNOLOGIES	3	0	3	4
MM 346	ENGINEERING ECONOMY	3	0	3	4
MM 348	ENERGY MANAGEMENT	3	0	3	4

THERMAL ELECTIVE I					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 421	HEATING VENTILATING AND AIR CONDITIONING	3	0	3	5
MM 423	PLUMBING ENGINEERING AND APPLICATIONS	3	0	3	5
MM 425	SOLAR ENERGY SYSTEMS	3	0	3	5
MM 427	THERMAL POWER PLANTS	3	0	3	5
MM 429	WASTE HEAT RECOVERY SYSTEMS	3	0	3	5
MM 431	ENERGY EFFICIENT BUILDING DESIGN	3	0	3	5

MECHANICAL ELECTIVE I					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 433	TRANSPORT TECHNIQUE	3	0	3	5
MM 435	BIOMECHANICS	3	0	3	5
MM 437	HEAT TREATMENT	3	0	3	5
MM 439	PLASTIC FORMING OF METALS	3	0	3	5
MM 441	MOLD DESIGN	3	0	3	5

THERMAL ELECTIVE II

COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 422	MASS TRANSFER	3	0	3	5
MM 424	THERMAL POWER ENGINEERING	3	0	3	5
MM 426	THERMAL STORAGE	3	0	3	5
MM 428	TURBOMACHINERY	3	0	3	5
MM 430	HEAT EXCHANGERS	3	0	3	5
MM 432	TWO PHASE FLOW	3	0	3	5
MM 434	REFRIGERATION SYSTEMS	3	0	3	5

MECHANICAL ELECTIVE II					
COURSE CODE	COURSE NAME	T	P	C	ECTS
MM 436	ROBOTICS	3	0	3	5
MM 438	MOTOR VEHICLE TECHNIQUE	3	0	3	5
MM 440	COMPUTER AIDED MANUFACTURING	3	0	3	5
MM 442	MECHANICAL VIBRATIONS	3	0	3	5
MM 444	AUTOMOTIVE TRANSMISSION SYSTEMS	3	0	3	5
MM 446	VEHICLE CHASSIS & BODY DESIGN	3	0	3	5