

TECHNOLOGY FACULTY
DEPARTMENT OF AUTOMOTIVE ENGINEERING
COURSE SCHEDULE

PREPARATORY YEAR

First Semester						Second Semester					
Code	Course Name	T	P	C	ECTS	Code	Course Name	T	P	C	ECTS
BHT101	Scientific Preparation	15	0	15		BHT101	Scientific Preparation	15	0	15	
	Mathematics	7	0	7			Mathematics	7	0	7	
	Physics	5	0	5			Physics	5	0	5	
	Chemistry	3	0	3			Chemistry	3	0	3	
	Total Credit	15	0	15			Total Credit	15	0	15	30

FIRST YEAR

First Semester						Second Semester					
Code	Course Name	T	P	C	ECTS	Code	Course Name	T	P	C	ECTS
TRD109	Turkish Language I	2	0	2	2	TRD110	Turkish Language II	2	0	2	2
YDİ107	Foreign Language I	2	0	2	2	YDİ108	Foreign Language) II	2	0	2	2
MAT161	Mathematic I	4	0	4	6	MAT162	Mathematics II	4	0	4	6
FİZ 111	Physics I	3	2	4	6	FİZ112	Physics II	3	2	4	6
OMT101	Technical Drawing	2	2	3	4	KİM102	Chemistry	2	2	3	4
OMT103	Programming	2	2	3	5	OMT102	Computer Aided Technical Drawing	2	2	3	5
OMT105	Basic Manufacturing Processes	3	2	4	5	OMT104	Engine Technology	3	2	4	5
	Total Credit	18	8	22	30		Total Credit	18	8	22	30

SECOND YEAR

Third Semester						Fourth Semester					
Code	Course Name	T	P	C	ECTS	Code	Course Name	T	P	C	ECTS
AIT209	Principles of Ataturk and History of Revolution I	2	0	2	2	AIT210	Principles of Ataturk and History of Revolution II	2	0	2	2
MAT213	Engineering Mathematics	3	0	3	4	MAT214	Linear Algebra	2	0	2	3
OMT201	Electricity & Electronics	2	0	2	3	OMT202	Numerical Analysis	3	0	3	4
OMT203	Statics	3	0	3	4	OMT204	Strength of Materials	3	0	3	4
OMT205	Thermodynamics I	2	0	2	4	OMT206	Thermodynamics II	2	0	2	4
OMT207	Engine Oils and Lubricating	2	0	2	3	OMT208	Engine Fuels and Combustion	3	0	3	4
OMT209	Materials	2	2	3	5	OMT210	Dynamics	3	0	3	4
OMT211	Powertrains	3	2	4	5	OMT212	Auto. Electricity & Electronics	3	2	4	5
	Total Credit	19	4	21	30		Total Credit	21	2	22	30

THIRD YEAR											
Fifth						Sixth					
Code	Course Name	T	P	C	ECTS	Code	Course Name	T	P	C	ECTS
OMT301	Heat Transfer I	2	0	2	4	OMT302	Heat Transfer II	2	0	2	4
OMT303	Fluid Mechanics I	2	0	2	4	OMT304	Fluid Mechanics II	2	0	2	4
OMT305	Vehicle Dynamics and Control	3	0	3	4	OMT306	Engine Dynamics	3	0	3	4
OMT307	Engine Testing Methods	2	1	3	4	OMT308	Engine Design	3	1	4	5
OMT309	Machine Elements	3	0	3	4	IST	Statistics and Probability	2	0	2	3
OMT311	Spark Ignition Engines	3	2	4	5	OMT310	Compression Ignition Engines	3	2	4	5
OMT	Social Elective Courses	2	0	2	2	OMT	Social Elective Courses	2	0	2	2
OMT	Technical Elective Courses I	2	0	2	3	OMT	Technical Elective Courses II	2	0	2	3
	Total Credit	19	3	21	30		Total Credit	19	3	21	30

Social Elective Courses						Social Elective Courses					
OMT313	Accounting and Marketing	2	0	2	2	OMT312	Factory Organization	2	0	2	2
OMT315	Engineering Economics	2	0	2	2	OMT314	Labor Law	2	0	2	2
OMT317	Service Management	2	0	2	2	OMT316	Entrepreneurship	2	0	2	2
OMT319	Management Sociology	2	0	2	2	OMT318	Quality management	2	0	2	2
OMT321	Occupational Health and Safety	2	0	2	2	OMT320	Automotive Logistics Management	2	0	2	2

Technical Elective Courses -I-						Technical Elective Courses -II-					
OMT323	Professional English-I	2	0	2	3	OMT322	Professional English II	2	0	2	3
OMT325	Automotive Industry	2	0	2	3	OMT324	Technical Report Preparation	2	0	2	3
OMT327	Vehicle Safety Systems	2	0	2	3	OMT326	Microprocessor Appl. in Auto. Eng.	2	0	2	3
OMT329	Automotive Materials	2	0	2	3	OMT328	Vehicle Aerodynamics	2	0	2	3
OMT331	New Applications in Engines	2	0	2	3	OMT330	New Applications on Vehicles	2	0	2	3
OMT333	Automatic Transmission	2	0	2	3	OMT332	Alternative Energy Sources	2	0	2	3
OMT335	Craft Loss Analysis	2	0	2	3	OMT334	Electric Vehicles	2	0	2	3
OMT337	Heavy Machines	2	0	2	3	OMT 336	Supercharged Engines	2	0	2	3

[illegible]