

KOCAELI UNIVERSITY FACULTY OF TECHNOLOGY
AUTOMOTIVE ENGINEERING DEPARTMENT
UNDERGRADUATE COURSE PLAN

I. SEMESTER						II. SEMESTER										
L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS	L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS			
AIT 101	Atatürk's Principles and History of Turkish Revolu	2	0	2	2	2	AIT 102	Atatürk's Principles and History of Turkish Rev.-II	2	0	2	2	2			
TDB 101	Turkish Language I	2	0	2	2	2	TDB 102	Turkish Language II	2	0	2	2	2			
TKN 101	Mathematics I	3	0	3	3	4	TKN 102	Mathematics - II	3	0	3	3	4			
TKN 103	Physics I	2	0	2	2	3	TKN 104	Physics - II	2	0	2	2	3			
TKN 105	Chemistry	2	0	2	2	3	TKN 106	Computer Programming	2	1	3	3	3			
TKN 107	Occupational Health And Safety	2	0	2	2	3	OTM 114	Introduction of Automotive Engineering	3	0	3	3	4			
TKN 109	Technical Drawing	2	1	3	3	4	OTM 116	Basic Electricity And Electronics	2	1	3	3	4			
TKN 111	Manufacturing Process	2	2	4	3	5	OTM 118	Science of Material	3	0	3	3	4			
YDB 101	English I	4	0	4	4	4	YDB 102	English II	4	0	4	4	4			
TOTAL						21	3	24	23	30	TOTAL					

III. SEMESTER						IV. SEMESTER										
L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS	L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS			
TKN 205	Differential Equations In Engineering	3	0	3	3	4	TKN 202	Linear Algebra and Numerical Analysis	3	0	3	3	3			
TKN 203	Thermodynamics - I	3	0	3	3	4	TKN 204	Thermodynamics - II	3	0	3	3	4			
OTM 211	Statics	3	0	3	3	3	TKN 206	Strength of Materials	3	0	3	3	3			
OTM 215	Measurement Technique	2	1	3	3	3	TKN 208	Heat Transfer	3	0	3	3	4			
OTM 217	Computer Aided Drawing	2	1	3	3	3	OTM 212	Dynamics	3	0	3	3	3			
OTM 219	Vehicle Electrics - Electronics	2	1	3	3	3	OTM 218	Computer Aided Design	2	1	3	3	3			
OTM 221	Technical English I	2	0	2	2	2	OTM 222	Technical English II	2	0	2	2	2			
OTM 2...	Technical Elective I	3	0	3	3	4	OTM 2...	Technical Elective - II	3	0	3	3	4			
ÜSD 2...	University Elective I*	2	0	2	2	4	ÜSD 2...	University Elective II*	2	0	2	2	4			
TOTAL						22	3	25	25	30	TOTAL					

V. SEMESTER						VI. SEMESTER										
L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS	L.CODE	COURSE NAME	T	U	Tp	Cr	ECTS			
TKN 301	Fluid Mechanics	3	0	3	3	3	OTM 312	Engine Electric-Electronics	2	1	3	3	4			
TKN 303	Fuels and Combustion	2	1	3	3	3	OTM 314	Engine Dynamics	2	0	2	2	3			
OTM 313	Machine Designs	3	0	3	3	4	OTM 316	Fuel Injection Systems	2	1	3	3	4			
OTM 317	Internal Combustion Engines	3	0	3	3	4	OTM 318	Engines and Vehicles Performance Testing	2	1	3	3	4			
OTM 319	VEHICLE MECHANICS	2	0	2	2	2	OTM 320	Vehicle Design	3	0	3	3	4			
OTM 321	Vehicle Steering and Braking Systems	2	1	3	3	3	OTM 322	Powertrain Systems	2	1	3	3	4			
OTM 3...	Technical Elective III*	3	0	3	3	4	OTM 3...	Technical Elective - IV	3	0	3	3	4			
OTM 3...	Social Elective - I	2	0	2	2	4	OTM 3...	Social Elective - II	2	0	2	2	3			
OTM 351	Internship I	0	0	0	0	3	TOTAL									
TOTAL						20	2	22	22	30	TOTAL					

