



AFYON KOCATEPE UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF AUTOMOTIVE ENGINEERING



MASTER (MSc) PROGRAM

FIRST YEAR

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
OTM-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
OTM-5601	THESIS PREPARATION	C	0	1	1	0	1	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
TOTAL			20	1	21	12	30	

SECOND SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
OTM-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
OTM-5602	THESIS PREPARATION	C	0	1	1	0	1	
OTM-5701	SEMINAR	C	0	2	2	0	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
TOTAL			17	3	20	9	30	



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SECOND YEAR

THIRD SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
OTM-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
OTM-5603	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

FOURTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
OTM-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
OTM-5604	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

ELECTIVE COURSES

COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
FBE-5001	SCIENTIFIC RESEARCH AND METHODS	C	3	0	3	3	5
OTM-5001	VEHICLE DYNAMICS	E	3	0	3	3	5
OTM-5002	VEHICLE ACCIDENT ANALYSIS	E	3	0	3	3	5
OTM-5003	VEHICLE DAMAGE ANALYSIS	E	3	0	3	3	5
OTM-5004	ADVANCED VEHICLE SAFETY SYSTEMS	E	3	0	3	3	5
OTM-5005	VEHICLE TRANSMISSION AND ANALYSIS METHODS	E	3	0	3	3	5
OTM-5006	VEHICLE SUSPENSION SYSTEM METHOD AND ANALYSIS	E	3	0	3	3	5
OTM-5007	VEHICLE TIRES AND ANALYSIS	E	3	0	3	3	5
OTM-5008	ENGINE INJECTION SYSTEMS	E	3	0	3	3	5
OTM-5009	FUEL AND BURNING EVENTS IN ENGINE	E	3	0	3	3	5
OTM-5010	ANALYSIS OF INTERNAL COMBUSTION ENGINES COMBUSTION	E	3	0	3	3	5
OTM-5011	VEHICLE EMISSIONS AND CONTROL TECHNIQUES	E	3	0	3	3	5
OTM-5012	ENERGY CONVERSION IN THERMAL ENGINE	E	3	0	3	3	5



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OTM-5013	NATURAL ENERGY SOURCES	E	3	0	3	3	5
OTM-5014	BIODIESEL PRODUCTION METHODS AND TESTS	E	3	0	3	3	5
OTM-5015	TURBOCHARGED ENGINES	E	3	0	3	3	5
OTM-5016	MATERIALS SCIENCE IN AUTOMOTIVE TECHNOLOGY	E	3	0	3	3	5
OTM-5017	RESEARCH AND EXPERIMENTAL TECHNIQUES FOR VEHICLE ENGINES	E	3	0	3	3	5
OTM-5018	AUTOMOTIVE PRODUCTION AND ASSEMBLY TECHNOLOGIES	E	3	0	3	3	5
OTM-5019	VEHICLE INDUSTRY REGULATIONS	E	3	0	3	3	5
OTM-5020	COMPUTER SIMULATION IN AUTOMOTIVE ENGINEERING	E	3	0	3	3	5
OTM-5021	VEHICLE GUIDANCE AND ANALYSIS	E	3	0	3	3	5
OTM-5022	INTER METALLIC MATERIALS	E	3	0	3	3	5
OTM-5023	METHODS USED IN AUTOMOTIVE INDUSTRY RESOURCES	E	3	0	3	3	5
OTM-5024	NANO MATERIALS MADE IN AUTOMOTIVE INDUSTRY	E	3	0	3	3	5