



AFYON KOCATEPE UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF MECHANICAL ENGINEERING
DOCTOR OF PHILOSOPHY (PhD) PROGRAM



FIRST YEAR

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6601	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	
TOPLAM			20	1	21	12	30	

SECOND SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6602	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	



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SECOND YEAR

THIRD SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6603	THESIS PREPARATION	C	0	1	1	0	1	
MKM-6701	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	

FOURTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6604	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	



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THIRD YEAR

FIFTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6505	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6605	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

SIXTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6506	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6606	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

FOURTH YEAR

SEVENTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6507	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6607	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

EIGHTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKM-6508	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKM-6608	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	

ELECTIVE COURSES



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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
MKM-6001	ADVANCED FLUID DYNAMICS	E	3	0	3	3	5
MKM-6002	BAUNDRARY LAYER THEORY	E	3	0	3	3	5
MKM-6003	THERMO-ECONOMIC ANALYSIS OF RENEWABLE ENERGY SOURCES	E	3	0	3	3	5
MKM-6005	DEVICE TECHNOLOGY	E	3	0	3	3	5
MKM-6006	HEAT EXCHANGERS	E	3	0	3	3	5
MKM-6011	ADVANCED WELDING TECHNIQUES	E	3	0	3	3	5
MKM-6013	STRUCTURAL DYNAMICS	E	3	0	3	3	5
MKM-6015	MULTIPLE-DEGREE-OF-FREEDOM SYSTEMS	E	3	0	3	3	5
MKM-6016	PLASTIC DEFORMATION OF METALS AND ALLOYS	E	3	0	3	3	5
MKM-6018	NONLINEAR VIBRATIONS	E	3	0	3	3	5
MKM-6020	APPLICATION OF MODAL TESTING	E	3	0	3	3	5
MKM-6021	DECISION SUPPORT SYSTEMS	E	3	0	3	3	5
MKM-6022	APPLICATION OF THE REVERSE ENGINEERING.	E	3	0	3	3	5
MKM-6023	BIOMECHANICS	E	3	0	3	3	5
MKM-6024	VISCOPLASTIC AND HYPERELASTIC BEHAVIOR OF MATERIAL	E	3	0	3	3	5
MKM-6025	THE METOD OF PERTURBATION 1	E	3	0	3	3	5
MKM-6028	THE METOD OF PERTURBATION 2	E	3	0	3	3	5
MKM-6029	MANAGEMENT OF TECHNOLOGICAL INNOVATION & NEW PRODUCT DEVELOPMENT	E	3	0	3	3	5
MKM-6030	ADVANCED PRODUCT MODELLING METHODS	E	3	0	3	3	5
MKM-6031	SOLUTION OF MECHANICAL PROBLEMS WITH FREQUENCY ANALYSIS	E	3	0	3	3	5
MKM-6032	ULTRASONIC MACHINING	E	3	0	3	3	5
MKM-6034	POWER HYDRAULIC	E	3	0	3	3	5
MKM-6041	MECHANICS OF METAL FORMING	E	3	0	3	3	5
MKM-6044	OBJECT-ORIENTED PROGRAMMING	E	3	0	3	3	5
MKM-6045	PRECISION MANUFACTURING SYSTEMS	E	3	0	3	3	5
EGT-6001	DEVELOPMENT AND LEARNING	E	3	0	3	3	5
EGT-6002	INSTRUCTIONAL PLANNING AND EVALUATION	E	3	0	3	3	5