



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



MASTER (MSc) PROGRAM

FIRST YEAR

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
KMM-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
KMM-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	
KMM-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
KMM-5602	THESIS PREPARATION	C	0	1	1	0	1	
KMM-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	
KMM-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
KMM-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	
KMM-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
KMM-5604	THESIS	C	0	1	1	0	21	
TOTAL			8	1	9	0	30	



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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
KMM-5001	TRANSPORT PHENOMENA	C	3	0	3	3	5
KMM-5002	ENGINEERING MATHEMATICS	C	3	0	3	3	5
KMM-5003	HETEROGENEOUS REACTION KINETICS	E	3	0	3	3	5
KMM-5004	SURFACE CHEMISTRY	E	3	0	3	3	5
KMM-5005	ADVANCED NUMERICAL METHODS	E	3	0	3	3	5
KMM-5006	ADVANCED STAGE-WISE OPERATIONS	E	3	0	3	3	5
KMM-5007	POLYMER CHEMISTRY AND TECHNOLOGY	E	3	0	3	3	5
KMM-5008	RHEOLOGY OF FLUIDS	E	3	0	3	3	5
KMM-5009	ADVANCED SOL GEL PROCESSES	E	3	0	3	3	5
KMM-5010	ADVANCED PROCESS CONTROL	E	3	0	3	3	5
KMM-5011	NEW AND RENEWABLE ENERGY SOURCES	E	3	0	3	3	5
KMM-5012	MODERN COATING AND DRYING TECHNOLOGIES	E	3	0	3	3	5
KMM-5013	ADSORPTION PROCESSES	E	3	0	3	3	5
KMM-5014	MINIMIZATION OF WASTE AND RECYCLING	E	3	0	3	3	5
KMM-5015	STATISTICAL METHODS IN SCIENTIFIC STUDIES	E	3	0	3	3	5
KMM-5016	FUNDAMENTAL PROCESSES FOR WASTEWATER TREATMENT	E	3	0	3	3	5
KMM-5017	ADVANCED ORGANIC TECHNOLOGIES	E	3	0	3	3	5
KMM-5018	ADVANCED CHEMICAL ENGINEERING THERMODYNAMICS	E	3	0	3	3	5
KMM-5019	FLUIDIZATION	E	3	0	3	3	5
KMM-5020	BIOTECHNOLOGY	E	3	0	3	3	5
KMM-5021	MEMBRANE TECHNOLOGY AND ENGINEERING APPLICATIONS	E	3	0	3	3	5
KMM-5022	THERMO MECHANICS OF DRYING PROCESSES	E	3	0	3	3	5
KMM-5023	NANOMATERIALS	E	3	0	3	3	5
KMM-5024	CONTROLLED DRUG RELEASE SYSTEMS	E	3	0	3	3	5
KMM-5025	ADVANCED REACTOR DESIGN	E	3	0	3	3	5
KMM-5026	FERMENTATION TECHNOLOGIES AND APPLICATION AREAS	E	3	0	3	3	5
KMM-5027	CORROSION AND PROTECTION TECHNOLOGIES	E	3	0	3	3	5
KMM-5028	ADVANCED SPECTROSCOPIC METHODS I	E	3	0	3	3	5



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			TH	AP	TO	CR	EC
KMM-5029	ADVANCED SPECTROSCOPIC METHODS II	E	3	0	3	3	5
KMM-5030	ADVANCED SEPERATION METHODS	E	3	0	3	3	5
KMM-5031	EDIBLE FILMS AND FOOD APPLICATIONS	E	3	0	3	3	5
KMM-5032	TOXICOLOGY	E	3	0	3	3	5
KMM-5033	CHEMAMETRY	E	3	0	3	3	5
KMM-5034	THERMAL ANALYSIS APPLICATION AREAS	E	3	0	3	3	5
KMM-5035	ADVANCED POLYMER CHEMISTRY	E	3	0	3	3	5
KMM-5036	CHEMICAL KINETICS AND APPLICATION AREAS	E	3	0	3	3	5
KMM-5037	ADVANCED POLYMER TECHNOLOGY AND MEMBRANES	E	3	0	3	3	5