



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



MASTER (MSc) PROGRAM

FIRST YEAR

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

THIRD YEAR

FIFTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
SRM-5505	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
SRM-5605	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	
SRM-5506	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
SRM-5606	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	E	3	0	3	3	5
SRM-5001	ENGINEERING MATHEMATICS	E	3	0	3	3	5
SRM-5002	PROCESS PLANNING AND PLANT DESIGN	E	3	0	3	3	5
SRM-5003	COMPOSITES	E	3	0	3	3	5
SRM-5004	TECHNICAL GLASSES	E	3	0	3	3	5
SRM-5005	SINTERING OF CERAMICS	E	3	0	3	3	5
SRM-5006	ELECTRON MICROSCOPY METHODS	E	3	0	3	3	5
SRM-5007	CRYSTAL ANISOTROPY AND X-RAY CRYSTALLOGRAPHY	E	3	0	3	3	5
SRM-5008	ADVANCED MINERALOGY	E	3	0	3	3	5
SRM-5009	ADVANCED CERAMOGRAPHY	E	3	0	3	3	5
SRM-5010	ADVANCED REFRACTORIES	E	3	0	3	3	5
SRM-5011	PHASE DIAGRAMS OF CERAMICS	E	3	0	3	3	5
SRM-5012	ADVANCED TECHNOLOGY CEMENTS	E	3	0	3	3	5
SRM-5013	OPTICAL CERAMICS	E	3	0	3	3	5
SRM-5014	ELECTRONIC CERAMICS	E	3	0	3	3	5
SRM-5015	NANOMATERIALS	E	3	0	3	3	5
SRM-5016	METALLIC GLASSES	E	3	0	3	3	5
SRM-5017	BUSINESS MANAGEMENT	E	3	0	3	3	5
SRM-5018	INTRODUCTION TO SOL-GEL PROCESSIS	E	3	0	3	3	5
SRM-5019	TECHNOLOGY OF FIBER MATERIALS	E	3	0	3	3	5
SRM-5020	MECHANICAL PROPERTIES AND FRACTURE EHAVIOUR OF CERAMICS	E	3	0	3	3	5
SRM-5021	SURFACE ANALYSIS	E	3	0	3	3	5
SRM-5022	BORON TECHNOLOGY	E	3	0	3	3	5
SRM-5023	STABILITY OF CLAY-WATER COLLOIDAL SYSTEMS	E	3	0	3	3	5
SRM-5024	TECHNOLOGY OF ALUMMINA	E	3	0	3	3	5
SRM-5025	THERMOCHEMISTRY OF MATERIALS	E	3	0	3	3	5
SRM-5026	THERMOCHEMICAL PROPERTIES OF CERAMIC MATERIALS	E	3	0	3	3	5
SRM-5027	MAGNETIC MATERIALS	E	3	0	3	3	5
SRM-5028	SOLID STATE PHYSICS	E	3	0	3	3	5
SRM-5029	ELECTRICAL DAMAGES IN CERAMICS	E	3	0	3	3	5
SRM-5030	DIELECTRIC MATERIALS	E	3	0	3	3	5



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			TH	AP	TO	CR	EC
SRM-5031	PHEASE TRANSFORMATION AND KINETICS	E	3	0	3	3	5