



AFYON KOCATEPE UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS



MASTER (MSc) PROGRAM

FIRST YEAR

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MBG-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MBG-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	
MBG-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MBG-5602	THESIS PREPARATION	C	0	1	1	0	1	
MBG-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	
MBG-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MBG-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	
MBG-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MBG-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
MBG-5001	HERPETOLOGY	E	3	0	3	3	5
MBG-5002	WATER POLLUTIONS AND ITS CONTROLS	E	3	0	3	3	5
MBG-5003	BIOLOGICAL PHOTOGRAPY AND DRAWING TECHNIQUES	E	3	0	3	3	5
MBG-5004	RESEARCH AND WRITING UP TECHNIQUES IN BIOLOGICAL SCIENCES	E	3	0	3	3	5
MBG-5005	STATISTICS FOR BIOLOGICAL SCIENCE	E	3	0	3	3	5
MBG-5006	ENZYMES AND HORMONES	E	3	0	3	3	5
MBG-5007	CELLULAR SIGNALING MECHANISMS	E	3	0	3	3	5
MBG-5008	THE CONTROL OF CELL DIVISION	E	3	0	3	3	5
MBG-5009	USEFUL PLANTS	E	3	0	3	3	5
MBG-5010	HERBARIUM TECHNIQUES	E	3	0	3	3	5
MBG-5011	PLANT TAXONOMY APPLICATIONS I	E	3	0	3	3	5
MBG-5012	PLANT TAXONOMY APPLICATIONS II	E	3	0	3	3	5
MBG-5013	ETHNOBOTANY	E	3	0	3	3	5



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MBG-5014	MICROBIAL BIOTECHNOLOGY	E	3	0	3	3	5
MBG-5015	METABOLISM OF PLANT CELL	E	3	0	3	3	5
MBG-5016	PLANT GROWTH REGULATORS	E	3	0	3	3	5
MBG-5017	PLANT BREEDING TECHNIQUES AND APPLICATIONS	E	3	0	3	3	5
MBG-5018	INDUSTRIAL MICROBIOLOGY	E	3	0	3	3	5
MBG-5019	STERILIZATION AND DISINFECTION	E	3	0	3	3	5
MBG-5020	DIAGNOSIS AND METHODS USED IN MICROBIOLOGY	E	3	0	3	3	5
MBG-5021	PRINCIPLES OF TAXONOMIC ZOOLOGY	E	3	0	3	3	5
MBG-5022	LIMNOLOGY	E	3	0	3	3	5
MBG-5023	ACAROLGY	E	3	0	3	3	5
MBG-5024	INVERTEBRATE ONTOGENESIS	E	3	0	3	3	5
MBG-5025	ICHTHYOLOGY	E	3	0	3	3	5
MBG-5026	SPECIAL PARASITOLOGY	E	3	0	3	3	5
MBG-5027	HELMINTHOLOGY	E	3	0	3	3	5
MBG-5028	ZOOLOGICAL PREPARATION TECHNIQUES	E	3	0	3	3	5
MBG-5029	DNA MUTAGENESIS, AND DNA REPAIR MECHANISM	E	3	0	3	3	5
MBG-5030	CELL CULTURE TECHNIQUES	E	3	0	3	3	5
MBG-5031	DNA FINGERPRINTING	E	3	0	3	3	5
MBG-5032	THE RELATIONSHIP BETWEEN VEGETATION SOIL	E	3	0	3	3	5
MBG-5033	SPECIAL TYPES OF VEGETATION	E	3	0	3	3	5
MBG-5034	POLLEN MORPHOLOGY	E	3	0	3	3	5
MBG-5035	COMPARATIVE ANATOMY OF PLANTS	E	3	0	3	3	5
MBG-5036	THE PREPARATION TECHNIQUES IN SYSTEMATIC BOTANY	E	3	0	3	3	5
MBG-5037	PLANT CHEMISTRY	E	3	0	3	3	5
MBG-5038	GERMINATION PHYSIOLOGY	E	3	0	3	3	5
MBG-5039	GENETIC ENGINEERING APPLICATIONS	E	3	0	3	3	5
MBG-5040	ADVANCED PLANT ECOLOGY	E	3	0	3	3	5
MBG-5041	ADVANCED BIOLOGY OF FOOD	E	3	0	3	3	5
MBG-5042	ADVANCED PALINOLOGY	E	3	0	3	3	5
MBG-5043	COMPUTER APPLIED BIOSTATISTICS	E	3	0	3	3	5
MBG-5044	MOLECULAR ECOLOGY AND TRACKING TECHNIQUES	E	3	0	3	3	5
MBG-5045	ECOPATHOLOGY	E	3	0	3	3	5
MBG-5046	PLANT MOLECULAR BIOLOGY	E	3	0	3	3	5
MBG-5047	IN ZOOLOGY MOLECULAR APPLICATIONS	E	3	0	3	3	5



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MBG-5048	EFFECT OF PLANT HORMONES AND MOLECULAR MECHANISMS	E	3	0	3	3	5
MBG-5049	SECONDARY METABOLITES	E	3	0	3	3	5
MBG-5050	PROTEINS AND ENZYMES	E	3	0	3	3	5
MBG-5051	BIOLOGY AND ECOLOGY OF RIVERS	E	3	0	3	3	5
MBG-5052	ECOLOGY OF INSECTS	E	3	0	3	3	5