

TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

					Programme Outcomes												
Course code	Course name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13
11st Year - 1st Semester																	
BIO1001	GENERAL BIOLOGY (ZOOLOGY) AND LABORATORY I	4	2	11	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO1003	GENERAL MATHEMATICS	3	0	3	0	0	3	5	0	3	2	2	3	3	0	4	1
BIO1005	GENERAL CHEMISTRY I	3	0	3	0	2	3	4	3	4	3	4	3	4	3	3	4
BIO1007	GENERAL PHYSICS I	3	0	3	0	2	3	4	2	4	3	4	3	4	3	3	4
TDL1011	TURKISH LANGUAGE I	2	0	2	0	1	0	1	1	3	1	2	4	3	2	2	4
YDL1013	FOREIGN LANGUAGE I	3	0	3	0	2	1	2	3	4	2	3	4	2	2	4	4
ATA1015	ATATÜRK PRINCIPLES AND HISTORY OF REVOLUTION I	2	0	2	0	0	0	0	1	1	0	1	1	1	1	0	1
ENF1021	BASIC COMPUTER	2	2	3	0	3	2	5	4	4	4	4	3	1	3	4	4
1st Year - 2nd Semester																	
BIO1002	GENERAL BIOLOGY (BOTANY) AND LABORATORY II	4	2	11	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO1004	GENERAL STATISTIC	3	0	3	0	0	3	5	0	3	2	2	3	3	0	4	1
BIO1006	GENERAL CHEMISTRY II	3	0	3	0	2	3	4	3	4	3	4	3	4	3	3	4
BIO1008	GENERAL PHYSICS II	3	0	3	0	2	3	4	2	4	3	4	3	4	3	3	4

YDL1014	FOREIGN LANGUAGE II	3	0	3	0	2	1	2	3	4	2	3	4	2	2	4	4
TDL1012	TURKISH LANGUAGE II	2	0	2	0	1	0	1	1	3	1	2	4	3	2	2	4
ATA1016	ATATÜRK PRINCIPLES AND HISTORY OF REVOLUTION II	2	0	2	0	0	0	0	1	1	0	1	1	1	1	0	1
2nd Year - 3rd Semester																	
BIO2001	BİOLOGY OF INVERTEBRATES AND APPLICATIONS I	2	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2003	CYTOLOGY	2	0	4	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2005	CRYPTHOGAMAE PLANTS BIOLOGY AND APPLICATIONS II	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2007	PLANT ANATOMY AND MORPHOLOGY AND LABORATORY	2	2	6	3	4	2	3	5	5	4	4	4	4	2	3	4
BIO2009	GENERAL MICROBIOLOGY AND LABORATORY I	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2011	ECOLOGY	3	0	4	3	5	2	3	5	5	4	4	4	4	2	3	5
2nd Year - 4th Semester																	
BIO2002	BİOLOGY OF INVERTEBRATES AND APPLICATIONS II	2	2	6	3	5	2	3	4	5	4	4	4	4	2	3	4
BIO2004	HISTOLOGY	2	0	4	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2006	CRYPTHOGAMAE PLANTS BIOLOGY AND APPLICATIONS II	2	2	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO2008	PLANT PHYSIOLOGY AND LABORATORY	2	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO2010	GENERAL MICROBIOLOGY AND	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4

	LABORATORY II																
	SOCIAL ELECTIVE COURSE	2	0	4	0	0	3	3	0	5	4	3	4	3	0	2	5
3rd Year - 5th Semester																	
BIO3001	GENETICS AND APPLICATIONS	3	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3003	VERTEBRATES BIOLOGY AND APPLICATIONS I	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3005	FLOWERING PLANTS BIOLOGY AND APPLICATIONS I	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3007	ANIMAL ANATOMY AND LABOROTORY	2	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
	ELECTIVE COURSE	2	0	4	3	5	2	3	5	5	4	4	4	4	2	3	4
	ELECTIVE COURSE	2	0	4													
3rd Year - 6th Semester																	
BIO3002	MOLECULAR BIOLOGY AND APPLICATIONS	2	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3004	VERTEBRATES BIOLOGY AND APPLICATIONS II	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3006	FLOWERING PLANTS BIOLOGY AND APPLICATIONS II	2	2	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO3008	ANIMAL PHYSIOLOGY AND LABORATORY	2	2	6	3	5	2	3	5	5	4	4	4	4	2	3	4
	ELECTIVE COURSE	2	0	4													
	ELECTIVE COURSE	2	0	4													
4th Year - 7th Semester																	

BIO4001	RESEARCH PROJECT	0	2	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO4003	BIOCHEMISTRY AND LABORATORY	4	2	5	3	5	2	3	5	5	4	4	4	4	4	2	3	4
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
4th Year - 8th Semester																		
BIO4002	RESEARCH PROJECT	0	2	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO4004	EVOLUTION	3	0	5	3	5	2	3	2	5	4	3	4	4	4	1	3	3
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
	ELECTIVE COURSE	3	0	5														
3rd Year - 5th Semester Elective Courses																		
BIO3009	TECHNICAL FOREIGN LANGUAGE I	2	0	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3011	PROTECT NATURAL FIELDS	2	0	4	3	5	2	3	2	5	4	3	4	4	4	1	3	3
BIO3013	RESEARCH TECHNIQUES	2	0	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3015	POLLUTION OF ENVIROMENT AND LIVING BEINGS	2	0	4	3	5	2	3	2	5	4	3	4	4	4	1	3	3
BIO3017	PALYNOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3019	ETHNOBOTANY	2	0	4	3	5	2	3	2	5	4	3	4	4	4	1	3	3

BIO3021	PLANT ECOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3023	PLANT EMBRIOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3025	FOOD MICROBIYLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3027	SOIL MIKROBIYOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3029	CLINIC BIOCHEMISTRY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3031	BACTERIAL PHYSIOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
3rd Year - 6th Semester Elective Courses																	
BIO3010	TECHNICAL FOREIGN LANGUGE II	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3012	MEDICINAL ENTOMOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3014	BEHOVRIAL ECOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3016	BIOLOGICAL CONTROL	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3018	MICOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3020	PHYTOCLIMATOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3022	PHARMOSOTIC BOTANY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3024	LICENOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3026	BIOLOGY OF AGING	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3028	BIOSECURITY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
BIO3030	CLINICAL MICROBIOLOGY	2	0	4	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO3032	ARCHAE BIOLOGY	2	0	4	5	5	5	5	5	5	5	5	5	5	4	5	5
4th Year - 7th Semester Technical Elective Courses																	

BIO4005	AGRICULTURAL ENTOMOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4007	HYDROBIOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4009	TOXICOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4011	ANIMAL EMBRIOLOGY	3	0	5	3	3	2	2	3	4	3	2	2	4	1	2	4
BIO4013	MAMMALOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4015	BIODIVERSITY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	5
BIO4017	THE FLORA OF TURKEY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4019	PLANT HISTOLOGY	3	0	5	3	3	2	2	3	4	3	2	2	4	1	2	4
BIO4021	STRESS PHYSIOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4023	POSINOUS PLANTS	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4025	PLANT PATHOLOGY	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4027	VEGETATION	3	0	5	5	5	4	4	3	3	4	2	4	4	1	3	5
BIO4029	VIROLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4031	MICROSCOBIC FUNGI	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4033	CLINICAL PARASITOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4035	ENZYMOMOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4037	ENVIROMENTAL MICROBIOLOGY	3	0	5	5	5	4	3	4	5	5	3	4	4	1	4	5
BIO4039	BIOTECHNOLOGY	3	0	5	3	5	2	5	5	5	4	4	4	4	5	3	5
4th Year - 8th Semester Elective Courses																	
BIO4006	ENTOMOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4008	ORNITHOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4010	PARASITOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4

BIO4012	CONSERVATION BIOLOGY	3	0	5	5	5	4	3	3	4	5	3	4	4	1	4	5
BIO4014	ICHTHYOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4016	CELL PHYSIOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4018	VEGETATION OF TURKEY	3	0	5	5	5	4	4	3	3	4	2	4	4	1	3	5
BIO4020	PHYSIOLOGY OF DROUGHT	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4022	PLANT GEOGRAPHY	3	0	5	5	5	4	4	3	3	4	2	4	4	1	3	5
BIO4024	MEDICINAL AND ECONOMICAL PLANTS	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4026	ALGOLOGY	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4028	NATIONAL PARK AND WILDLIFE	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	5
BIO4030	RECOMBINANT DNA TECHNOLOGY	3	0	5	3	5	2	5	5	5	4	4	4	4	5	3	5
BIO4032	MOLECULAR EVOLUTION	3	0	5	3	5	2	3	2	5	4	3	4	4	1	3	3
BIO4034	IMMUNOLOGY	3	0	5	3	5	2	3	5	5	4	4	4	4	2	3	4
BIO4036	INDUSTRIAL MICROBIYOLOGY	3	0	5	5	5	4	3	4	5	5	3	4	4	1	4	5
BIO4038	PHARMACOLOGY	3	0	5	3	5	2	4	5	5	4	4	4	4	2	3	4
BIO4040	BIOLOGICAL ETIC	3	0	5	5	5	5	5	5	3	5	3	5	5	3	5	5
* Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest																	