

ULUDAG UNIVERSITY																									
2018-2019 ACADEMIC YEAR																									
DEPARTMENT OF ZOOTECHINI DOUBLE MAJOR CURRICULUM																									
FACULTY/VOCATIONAL SCHOOL: FACULTY OF ARTS AND SCIENCES																									
DEPARTMENT/PROGRAM: BIOLOGY																									
I.TERM/FALL							II.TERM SPRING																		
CODE	COURSE					T	A	L	Cred.	ECTS	CODE	COURSE					T	A	L	Cred.	ECTS				
Obligatory Courses							Obligatory Courses																		
AIT101	ATATÜRK'S PRINCIPLES AND REVOLUTION HISTORY I					2	0	0	2	2	AIT102	AT102 ATATÜRK'S PRINCIPLES AND REVOLUTION HISTORY II					2	0	0	2	2				
TUD101	TURKISH LANGUAGE I					2	0	0	2	2	TUD102	TURKISH LANGUAGE II					2	0	0	2	2				
YAD101	FOREIGN LANGUAGE (ENGLISH)* I					2	0	0	2	2	YAD102	FOREIGN LANGUAGE (ENGLISH)* II					2	0	0	2	2				
YAD111	FOREIGN LANGUAGE (GERMAN)* I					2	0	0	2	2	YAD112	FOREIGN LANGUAGE (GERMAN)* II					2	0	0	2	2				
YAD121	FOREIGN LANGUAGE (FRENCH)* I					2	0	0	2	2	YAD122	FOREIGN LANGUAGE (FRENCH)* II					2	0	0	2	2				
BYL1001	GENERAL BIOLOGY I					2	0	0	2	4	BYL1002	GENERAL BIOLOGY II					2	0	0	2	5				
BYL1051	GENERAL BIOLOGY I LABORATORY					0	0	2	1	2	BYL1052	GENERAL BIOLOGY II LABORATORY					0	0	2	1	2				
MAT1095	MATHEMATICS					2	0	0	2	5	BYL1008	OCCUPATIONAL SAFETY					2	0	0	2	3				
KIM1031	GENERAL CHEMISTRY I					2	0	0	2	5	FZK1076	PHYSICS					2	0	0	2	5				
KIM1061	GENERAL CHEMISTRY I LABORATORY					0	0	2	1	2	FZK1078	PHYSICS LABORATORY					0	0	2	1	2				
BYL1041	COMPUTER APPLICATIONS IN BIOLOGY					2	2	0	3	6	KIM1032	GENERAL CHEMISTRY II					2	0	0	2	5				
											KIM1062	GENERAL CHEMISTRY II LABORATORY					0	0	2	1	2				
Total						17	30						Total						17	30					
III.TERM/FALL							IV.TERM SPRING																		
CODE	COURSE					T	A	L	Cred.	ECTS	CODE	COURSE					T	A	L	Cred.	ECTS				
Obligatory Courses							Obligatory Courses																		
BYL2001	CYTOLOGY					2	0	0	2	4	BYL2002	HISTOLOGY					2	0	0	2	4				
BYL2051	CYTOLOGY LABORATORY					0	0	2	1	2	BYL2052	HISTOLOGY LABORATORY					0	0	2	1	2				
BYL2003	GENERAL MICROBIOLOGY					2	0	0	2	4	BYL2004	MOLECULAR BIOLOGY					3	0	0	3	5				
BYL2053	GENERAL MICROBIOLOGY LABORATORY					0	0	2	1	2	BYL2010	ECOLOGY					3	0	0	3	5				
BYL2005	PLANT MORPHOLOGY and ANATOMY					2	0	0	2	4	BYL2012	MORPHOLOGY and TAXONOMY OF VERTEBRATES					2	0	0	2	4				
BYL2055	PLANT MORPHOLOGY and ANATOMY LABORATORY					0	0	2	1	2	BYL2062	MORPHOLOGY and TAXONOMY OF VERTEBRATES LABORATORY					0	0	2	1	2				
BYL2007	MORPHOLOGY and SYSTEMATICS OF THE INVERTEBRATE ANIMALS					2	0	0	2	4	BYL2014	VOCATIONAL FOREIGN LANGUAGE					2	0	0	2	4				
BYL2057	MORPHOLOGY and SYSTEMATICS OF THE INVERTEBRATE ANIMALS LABORATORY					0	0	2	1	2	KIM2436	ORGANIC CHEMISTRY					2	0	0	2	4				
BYL2009	ANIMAL ANATOMY					2	0	0	2	4															
BYL2059	ANIMAL ANATOMY LABORATORY					0	0	2	1	2															
Total						15	30						Total						16	30					
V.TERM/FALL							VI.TERM SPRING																		
CODE	COURSE					T	A	L	Cred.	ECTS	CODE	COURSE					T	A	L	Cred.	ECTS				
Obligatory Courses							Obligatory Courses																		
BYL3001	GENETICS I					2	0	0	2	4	BYL3002	GENETICS II					2	0	0	2	3				
BYL3051	GENETICS I LABORATORY					0	0	2	1	2	BYL3052	GENETICS II LABORATORY					0	0	2	1	2				
BYL3003	PLANT PHYSIOLOGY					2	0	0	2	4	BYL3004	ANIMAL PHYSIOLOGY					2	0	0	2	4				
BYL3053	PLANT PHYSIOLOGY LABORATORY					0	0	2	1	2	BYL3054	ANIMAL PHYSIOLOGY LABORATORY					0	0	2	1	2				
BYL3005	BIOCHEMISTRY I					2	0	0	2	4	BYL3006	BIOCHEMISTRY II					2	0	0	2	3				
BYL3055	BIOCHEMISTRY I LABORATORY					0	0	2	1	2	BYL3056	BIOCHEMISTRY II LABORATORY					0	0	2	1	2				
BYL3007	CLASSIFICATION OF NONE FLOWERING PLANTS					2	0	0	2	4	BYL3008	LIMNOLOGY					2	0	0	2	3				
BYL3057	CLASSIFICATION OF NONE FLOWERING PLANTS LABORATORY					0	0	2	1	2	BYL3058	LIMNOLOGY LABORATORY					0	0	2	1	2				
BYL3009	SCIENCE ETHICS					2	0	0	2	3	BYL3010	CLASSIFICATION OF FLOWERING PLANTS					2	0	0	2	4				
										BYL3060	CLASSIFICATION OF FLOWERING PLANTS LABORATORY					0	0	2	1	2					
ELECTIVE COURSES							ELECTIVE COURSES						ELECTIVE COURSES							ELECTIVE COURSES					
NON-FIELD COURSES						2	0	0	2	3	NON-FIELD COURSES						2	0	0	2	3				
Total						16	30						Total						17	30					
VII.TERM/FALL							VIII.TERM SPRING																		
CODE	COURSE					T	A	L	Cred.	ECTS	CODE	COURSE					T	A	L	Cred.	ECTS				
Obligatory Courses							Obligatory Courses																		
BYL4123	FINAL PROJECT I					0	2	0	1	2	BYL4124	FINAL PROJECT II					0	2	0	1	3				
BYL4125	ENTREPRENEURSHIP in BIOLOGY					1	0	0	1	1															
ELECTIVE COURSES							ELECTIVE COURSES						ELECTIVE COURSES							ELECTIVE COURSES					
FIELD COURSES							FIELD COURSES						FIELD COURSES							FIELD COURSES					
ELECTIVE COURSES 1										4	ELECTIVE COURSES 1										4				
ELECTIVE COURSES 2										4	ELECTIVE COURSES 2										4				
ELECTIVE COURSES 3										4	ELECTIVE COURSES 3										4				
ELECTIVE COURSES 4										4	ELECTIVE COURSES 4										4				
ELECTIVE COURSES 5										4	ELECTIVE COURSES 5										4				
ELECTIVE COURSES 6										4	ELECTIVE COURSES 6										4				
NON-FIELD COURSES						2	0	0	2	3	NON-FIELD COURSES						2	0	0	2	3				
TOTAL							30						TOTAL							30					
ELECTIVE Courses							ELECTIVE Courses						ELECTIVE Courses							ELECTIVE Courses					
BYL4013	HUMAN BIOLOGY					2	0	0	2	4	BYL4002	EVOLUTION					2	0	0	2	4				
BYL4015	ETOLOGY					2	0	0	2	4	BYL4004	DEVELOPMENTAL BIOLOGY					2	0	0	2	4				
BYL4019	CELL PHYSIOLOGY					2	0	0	2	4	BYL4010	PLANT BIOTECHNOLOGY					2	0	0	2	4				
BYL4021	ECONOMICAL BOTANY					2	0	0	2	4	BYL4012	PLANT EMBRIOLOGY					2	0	0	2	4				
BYL4033	ICHTHYOLOGY					1	0	2	2	4	BYL4014	GENETIC ENGINEERING					2	0	0	2	4				
BYL4035	MARINE BIOLOGY					2	0	0	2	4	BYL4018	PLANT METABOLITES					2	0	0	2	4				
BYL4037	ORNITOLOGY					2	0	0	2	4	BYL4020	ENDOCRINOLOGY					2	0	0	2	4				
BYL4039	ENVIRONMENTAL BIOLOGY					2	0	0	2	4	BYL4022	HUMAN GENETICS					2	0	0	2	4				
BYL4045	ENVIRONMENTAL MICROBIOLOGY					2	0	0	2	4	BYL4024	VEGETATION					1	2	0	2	4				
BYL4059	PLANT DEVELOPMENT PHYSIOLOGY					1	0	2	2	4	BYL4026	CONSERVATION NATURE AND BIOLOGY					2	0	0	2	4				
BYL4061	PREPARATION TECHNIQUES					1	0	2	2	4	BYL4028	PLANT GEOGRAPHY					2	0	0	2	4				
BYL4063	CYTOGENETICS					1	0	2	2	4	BYL4032	PLANT ECOLOGY					2	0	0	2	4				
BYL4065	PARASITOLOGY					1	0	2	2	4	BYL4034	ANIMAL ECOLOGY					2	0	0	2	4				
BYL4071	HERPETOLOGY					2	0	0	2	4	BYL4038	WILD LIFE, ANIMAL DIVERSITY					2	0	0	2	4				
BYL4083	SOIL - PLANT INTERACTIONS					1	0	2	2	4	BYL4040	HERBARIUM TECHNIQUES					2	0	0	2	4				
BYL4085	PALYNOLOGY					2	0	0	2	4	BYL4046	ENTOMOLOGY					2	0	0	2	4				
BYL4087	ENZYME TECHNOLOGY					2	0	0	2	4	BYL4050	APPLIED BIOCHEMISTRY					2	0	0	2	4				
BYL4089	BACTERIAL PHYSIOLOGY					2	0	0	2	4	BYL4052	BIOLOGY OF ALGAE					2	0	2	2	4				
BYL4097	FORENSIC GENETICS					2	0	0	2	4	BYL4054	BIOCIMATE					2	0	0	2	4				
BYL4099	RADIOBIOLOGY					2	0	0	2	4	BYL4060	PLANT DISEASES					2	0	0	2	4				
BYL4101	COMPUTATIONAL MOLECULAR BIOLOGY					1	2	0	2	4	BYL4088	INDUSTRIAL MICROBIOLOGY					1	2	0	2	4				
BYL4103	FREE RADICALS and ANTIOXIDANT BIOLOGY					2	0	0	2	4	BYL4090	GENERAL CELL BIOLOGY					2	0	0	2	4				
BYL4105	DATA ANALYSIS IN BIOLOGICAL RESEARCHERS					1	2	0	2	4	BYL4100	INTRODUCTION TO BIOINFORMATICS					2	0	0	2	4				
BYL4109	FOOD MICROBIOLOGY					2	0	0	2	4	BYL4102	STRESS PHYSIOLOGY OF PLANTS					2	0	0	2	4				
BYL4111	FRESHWATER ECOLOGY					2	0	0	2	4	BYL4104	APPLIED GENETICS					2	0	0	2	4				
BYL4113	NANOTECHNOLOGY IN BIOLOGY					2	0	0	2	4	BYL4110	MYCOLOGY					2	0	0	2	4				
BYL4115	SYSTEMIC HISTOLOGY					2	0	0	2	4	BYL4112	FRESHWATER BENTHIC MACROINVERTEBRATES AND THEIR ECOLOGY					2	0	0	2	4				
BYL4117	PLANTOLOGY					2	0	0	2	4	BYL4114	AEROBIOLOGY					1	0	2	2	4				
BYL4119	CANCER CELL BIOCHEMISTRY					2	0	0	2	4	BYL4116	DENDROLOGY					2	0	0	2	4				
BYL4121	PLANT PROTECTION BIOLOGY					2	0	0	2	4	BYL4118	LICHEN BIOLOGY					2	0	0	2	4				
										BYL4120	WATER POLLUTION AND ENVIRONMENTAL EFFECTS					2	0	0	2	4					
										BYL4122	BIOTECHNOLOGY					2	0	0	2	4					
										BYL4126	STANDARD FIRST AID TRAINING					1	2	0	2	4					

EXEMPT COURSES						
CODE	OBLIGATORY COURSES	T	A	L	Cred.	ECTS
AIT101	ATATÜRK'S PRINCIPLES and REVOLUTION HISTORY I	2	0	0	2	2
TUD101	TURKISH LANGUAGE I	2	0	0	2	2
YAD101	FOREIGN LANGUAGE (ENGLISH)* I	2	0	0	2	2
AIT102	AIT102 ATATÜRK'S PRINCIPLES and REVOLUTION HISTORY II	2	0	0	2	2
TUD102	TURKISH LANGUAGE II	2	0	0	2	2
YAD102	FOREIGN LANGUAGE (ENGLISH)* II	2	0	0	2	2
BYL1001	GENERAL BIOLOGY I	2	0	0	2	4
BYL1051	GENERAL BIOLOGY I LABORATORY	0	0	2	1	2
MAT1095	MATHEMATICS	2	0	0	2	5
KIM1031	GENERAL CHEMISTRY I	2	0	0	2	5
KIM1061	GENERAL CHEMISTRY I LABORATORY	0	0	2	1	2
BYL1002	GENERAL BIOLOGY II	2	0	0	2	5
BYL1052	GENERAL BIOLOGY II LABORATORY	0	0	2	1	2
BYL1008	OCCUPATIONAL SAFETY	2	0	0	2	3
FZK1076	PHYSICS	2	0	0	2	5
FZK1078	PHYSICS LABORATORY	0	0	2	1	2
KIM1032	GENERAL CHEMISTRY II	2	0	0	2	5
KIM1062	GENERAL CHEMISTRY II LABORATORY	0	0	2	1	2
BYL2003	GENERAL MICROBIOLOGY	2	0	0	2	4
BYL2053	GENERAL MICROBIOLOGY LABORATORY	0	0	2	1	2
BYL3001	GENETICS I	2	0	0	2	4
BYL3051	GENETICS I LABORATORY	0	0	2	1	2
	ELECTIVE COURSES					66
BYL4105	DATA ANALYSIS IN BIOLOGICAL RESEARCHERS	1	2	0	2	4
					TOTAL	4
	NON-FIELD COURSES	2	0	0	2	3
	NON-FIELD COURSES	2	0	0	2	3
	NON-FIELD COURSES	2	0	0	2	3
	NON-FIELD COURSES	2	0	0	2	3
	TOTAL				TOTAL	12
					GENERAL TOTAL	82