

GENERAL BIOLOGY LAB. II

1	Course Title:	GENERAL BIOLOGY LAB. II	
2	Course Code:	FEN2010	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	0.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. ŞİRİN İLKÖRÜCÜ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	E-posta: ilkorucu@uludag.edu.tr Tel: 224 2942184 Adres: Uludağ Üniversitesi Eğitim Fakültesi Fen Bilgisi ABD Görükle, Bursa 16059	
17	Website:		
18	Objective of the Course:	It is aimed that student can classify living things and analyze the similarities and differences in their systems. It is expected that students gain basic principles of a scientific study by planning their studies, practicing and assessing its outcomes	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To be able to conduct a scientific study, planning and to detect and solve the problems
		2	To be able to gain higher skills of science such as researching, questioning, interpreting
		3	To be able to analyze the organs that make up the living things
		4	To be able to classify the living things
		5	To be able to analyze the similar and different features of the living things
		6	To be able to interrelate between heredity and diversity of the living things
		7	To be able to analyze the interaction of the organisms with each other and the environment
		8	To be able to acquire awareness on the protection of living things and the environment
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1		Introduction of the course content, explaining the expected outcomes		
2		Digestive System Structure of tooth		
3		Lung Dissection Microscopical examination of the aveole		
4		Heart Dissection Structure of blood vessels		
5		Kidney Dissection Microscopical examination of kidney - section		
6		Eye Dissection		
7		Microscopical examination of cornea		
8		Brain Dissection Microscopical examination of cerebellum		
9		Insect Dissection, the mouth structure of insect		
10		Examining the reaction of lumbricus to light Dissection of lumbricus		
11		Fish Dissection Examination of spiracles		
12		Reptiles: Examination of snakes and lakertilia		
13		Frog Dissection		
14		Checking the pulse and tension Isolation of DNA from buccal cells		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		2	7.00	14.00
Homeworks		2	7.00	14.00
Projects		1	10.00	10.00
Field Studies		1	10.00	10.00
Midterm exams		1	4.00	4.00
Others		0	0.00	0.00
Final Exams		1	6.00	6.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Total Work Load				90.00
Midterm Exam/ 30 hr		1	30.00	3.00
ECTS Credit of the Course				3.00
Home work-project		2	20.00	
Final Exam		1	50.00	
Total		4	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		50.00		
Contribution of Final Exam to Success Grade		50.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	5	4	4	0	4	0	0	0	0	0	5	0
ÖK2	0	5	0	0	5	4	4	0	4	0	0	0	0	0	5	0
ÖK3	0	4	0	0	5	0	0	0	3	0	0	0	0	0	0	0
ÖK4	0	4	0	5	5	0	0	0	3	0	0	0	0	0	5	0
ÖK5	0	4	0	0	5	5	0	0	3	0	0	0	0	0	0	0
ÖK6	0	4	0	0	5	0	0	0	3	0	0	0	0	0	0	0
ÖK7	0	0	0	0	5	0	0	0	3	0	0	0	0	0	0	0
ÖK8	0	0	0	0	5	0	0	0	3	0	0	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				