ANIMAL PHYSIOLOGY LAB

1	Course Title:	ANIMAL PHYSIOLOGY LAB
2	Course Code:	BYL3054
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	0.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. SiBEL TAŞ
15	Course Lecturers:	Prof. Dr. Sibel TAŞ
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: smeral@uludag.edu.tr Telefon: 0 224 294 17 95 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: smeral@uludag.edu.tr Phone: 0 224 294 17 95
17	Website:	
18	Objective of the Course:	Laboratory experiments are designed to illustrate the principles of system physiology. The laboratory methods to study these principles and qualitative analysis of data.
19	Contribution of the Course to Professional Development:	Learns how to plan in laboratory conditions and can plan and study the information learned in animal physiology course
20	Learning Outcomes:	
	1	To give knowledge about physiological and to teach their importance.
	2	Several applyings on animal and human body.
	3	To get knowledge about digestion enzyms in human.
	4	To learn respiration comparatively in several animal groups.
	5	To learn respiration comparatively in several animal groups.
	6	The students learn to determine blood-cell by hemosytometric methods, they learn identifiyng blood group
	7	They learn circulation system on frog.
	8	They learn measuring arteryel blood pressure in human.
	9	They learn contractions in frog skelatal muscle.
	10	They learn spinal shocks and reflections in frog and sense physiology in human.

21	Course Content:

	Course Content:	
Week	Theoretical	Practice
1		Physiology of digestion system
2		Physiology of respiration system, respiration in snail and frog
3		Physiology of respiration system, tissue respiration.
4		Lung function tests in human, artifical respiration methods.
5		Blood physiology, determining blood cell by hemosytometric method.
6		Blood physiology, determining blood group, calculating reticulosite.
7		Blood phsiology, hemolise.
8		Circulatory system, capiller circulation in frog, lymph hearts.
9		Midterm exam, repeating courses
10		Circulatory system, printed hearth action.
11		Circulatory system, hearth voices and listening focuses, enumerate pulse, quantify arterial blood pressure.
12		Contraction in skeletal muscle.
13		Physiology of nervous system.
14		Sense physiology.

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	0	0.00	0.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	2	5.00	10.00
Homeworks	14	1.00	14.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	4.00	4.00
Others	0	0.00	0.00
Final Exams	1	4.00	4.00
Total Work Load			64.00
Total work load/ 30 hr			2.00
ECTS Credit of the Course			2.00

3-Tıbbi Biyoloji, Ayşe Başaran, İstanbul 1999
4-Animal Physiology Roger Eckert and David Randal 1983

23	Assessment

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Midterm Exam	1	30.00
Quiz	2	20.00
Home work-project	0	0.00
Final Exam	1	50.00
Total	4	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00

Total	100.00
Measurement and Evaluation Techniques Used in the Course	The system of relative evaluation is applied.

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	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK2	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0

ÖK3	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK4	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK5	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK6	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK7	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK8	3	1	1	5	5	5	4	4	4	5	5	4	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**