

ANIMAL PHYSIOLOGY

1	Course Title:	ANIMAL PHYSIOLOGY
2	Course Code:	BYL3004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. SİBEL TAŞ
15	Course Lecturers:	Prof. Dr. Sibel TAŞ
16	Contact information of the Course Coordinator:	<p>Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: smeral@uludag.edu.tr Telefon: 0 224 294 17 95</p> <p>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</p>
17	Website:	
18	Objective of the Course:	<p>Physiology is described, the basic of animal physiology from the most primitive to the most developed. The skeleton, digestive, cardiovascular, respiratory, kidney, nerves, hormones systems are explained. Taste, smell, hearing and equilibrium, vision, general senses mechanisms are explained. Physiology is described, the basic of animal physiology from the most primitive until the most developed. The knowledge is given about physiological systems in vertebrata, invertebrata</p>
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To earn physiological functions. To understand mechanisms movement provided in cell motion.
	2	To recognize digestive organs and learn secretions. To explain the cardiovascular system in animal world.
	3	To explain the cardiovascular system in animal world.
	4	To understand structure and kind of hemoglobin in human and animal.
	5	To earn knowledge about erythrocyte, leucocyte and platelets. To learn matter to be paid attention in blood transfusion.
	6	To learn structure, functions and sections of kidney.

		7	To seize respiration mechanisms in animal world.		
		8	To learn inspiration and expiration mechanism and learn their values in the physiological limits.		
		9	To earn brain sections.		
		10	To undersand the effect mechanism of hormones.		
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	The description and principles of phsiology. Teaching its main subjects.				
2	The digestive system in vertebrate and invertebrate animals, the control of digestion enzyms secretions				
3	The hearth structure of vertebrate, invertebrate animals and human, conduction systems, vens, pulmonary and systemic circulation, lymfatic system.				
4	The respiratory system in vertebrates, the respiratory mechanism in human and neural control of respiration.				
5	The excretory system in vertebrate and invertebrates and types of kidney. Kidney in human, structure of nephron, composition of urine, neural and hormonal control of excretion				
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	2.00	28.00
Practicals/Labs			0	0.00	0.00
Self study and preperation			3	9.00	27.00
Homeworks			0	0.00	0.00
Projects			1	20.00	20.00
Field Studies			0	0.00	0.00
Midterm exams			1	20.00	20.00
Others			0	0.00	0.00
Final Exams			1	25.00	25.00
Total Work Load					120.00
Textbooks, References and/or Other Materials:			1-Animal Physiology Roger Eckert and David Randall,1983 2-Animal Physiology Richard W.Gordon, 1988	4.00	
ECTS Credit of the Course					4.00
			4-Fizyoloji, Ömer Bozdoğan, Ankara 2000 5-Yaşamın Temel Kuralları, Ali Demirsoy, Cilt II kısım I-II, Cilt III kısım I-II 2001 6-Genel Biyoloji I-II, Keeton Goold, Çeviri: Ali Demirsoy, İsmail Türkan 2000		
23	Assesment				
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT		
Midterm Exam		1	40.00		
Quiz		0	0.00		
Home work-project		0	0.00		
Final Exam		1	60.00		
Total		2	100.00		

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
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	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK2	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK3	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK4	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK5	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK6	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK7	3	1	5	5	5	4	3	5	5	5	4	0	0	0	0	0
ÖK8	3	5	5	5	5	4	3	5	5	5	4	0	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							