

MORPHOLOGY AND SYSTEMATICS VERTEBRATA

1	Course Title:	MORPHOLOGY AND SYSTEMATICS VERTEBRATA
2	Course Code:	BYL2012
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Hikmet Sami Yıldırımhan
15	Course Lecturers:	Prof. Dr. Hikmet S. YILDIRIMHAN Yrd. Doç. Dr. Rahşen S. KAYA
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: yhikmet@uludag.edu.tr Telefon: 0 224 294 17 90 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: yhikmet@uludag.edu.tr Phone: 0 224 294 17 90
17	Website:	
18	Objective of the Course:	The aim of this course is to explain the importance of biodiversity and taxonomy, position of taxonomy in biological sciences, general features and morphological structures of vertebrates, distribution in the world and in Turkey, advantages and harms of them for human, relationship between animals and people, introducing animals in their own habitats.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Can be learned of features of science of systematic
	2	Comprehending of detailed knowledge of characteristics of vertebrates
	3	To be shown of importance and continuity of relations of living creatures and their environment
	4	To be learned of some methods which are used in biology.
	5	To be comprehended of place of human in living creatures
	6	Can be understood of relationships of human with vertebrates
	7	He/she explains the characteristics, classifications and biology of chordates.

	8	He/she explains the descriptive features, classifications and biology of chordates
	9	
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Properties and classification phylum of Chordata	
2	Subphylum Tunicata. Cephalochordata and Vertebrata (General properties).	
3	Properties and classification of fish: Classis: Cyclostomata	
4	Properties and classification of fish: Classis: Chondrichthyes	
5	Properties and classification of fish: Classis: Osteichthyes	
6	Properties and classification of frog: Classis: Amphibia, Ordo:Apoda and Urodela	
7	Repeating courses and midterm exam	
8	Properties and classification of frog: Classis: Amphibia, Ordo:Anura	
9	Properties and classification of reptiles: Rynchocephalia and Crocodiailia	
10	Properties and classification of reptiles: Testudines, Lizards and snakes	
11	Properties and classification of birds: Fossil birds and Ordo: Ratitae	
12	Properties and classification of birds: Ordo:Carinate	
13	Properties and classification of mammals: Subcalassis: Monotremata and Marsupialia	
14	Properties and classification of mammals: Subcalassis: Placentalia	
22	Textbooks, References and/or Other Materials:	İ. H. UĞURTAŞ, Omurgalı Hayvanlar Ders Notları. A. DEMİRSOY, Yaşamın Temel Kuralları (Omurgalılar) Türkiye Amfibileri, Necla Özeti, İrfan Yılmaz, Ege Üniv. Fen Fak. 1994. Türkiye Sürüngenleri kısım I, Muhtar Başoğlu, İbrahim baran, Ege Üniv. Fen Fak. 1977. Türkiye Sürüngenleri kısım II, Muhtar Başoğlu, İbrahim Baran, Ege Üniv. Fen Fak. 1980.
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

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	14	2.00	28.00
Homeworks	3	8.00	24.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			140.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

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	2	4	5	3	4	2	5	4	5	5	5	0	0	0	0
ÖK2	3	1	4	5	3	4	2	5	4	5	5	5	0	0	0	0
ÖK3	5	1	3	5	3	4	4	3	4	5	5	5	0	0	0	0
ÖK4	5	1	4	5	3	5	4	5	5	5	5	5	0	0	0	0
ÖK5	5	1	4	5	3	5	4	4	5	5	5	5	0	0	0	0
ÖK6	5	1	4	5	3	4	3	3	4	5	5	5	0	0	0	0
ÖK7	5	1	4	5	3	4	3	3	4	5	5	5	0	0	0	0
ÖK8	5	1	4	5	3	4	3	3	4	5	5	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			