MORPHOLOGY AND SYSTEMATICS OF THE INVERTEBRATE ANIMALS

1	Course Title:	MORPHOLOGY AND SYSTEMATICS OF THE INVERTEBRATE ANIMALS	
2	Course Code:	BYL2007	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
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 the course is to make the species definition, to teach the invertebrate animals and their kinds to the students. To give information about the invertebrate animals systematics.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Makes the definition of species, species criteria, and knows the general properties of invertebrate animals.
		2	Flagellata, Rhizopoda, Sporozoa, Ciliata belonging to the groups of single-celled creatures and knows the properties.
		3	Knows the general characteristics of phylum and groups of Sporozoa and Coelenterate, makes systematic.
		4	Knows the general characteristics of phylum and groups of Plathelminthes and Nemathelminthes, makes systematic.
		5	Knows the general characteristics of phylum and groups of Acanthocephala and Annelida, makes systematic.
		6	Knows the general characteristics of phylum and groups of Mollusca, makes systematic.
		7	Knows the general characteristics of phylum and groups of Arthropoda, makes systematic.
		8	Knows the general characteristics of phylum and groups of Deuterostomia, makes systematic.

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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Species definition and criteria. Nomenclature and classification of invertebrate animals. Explaining the general characteristics of the species.	
2	Explaining the general characteristics and systematics of the phylum Rhizopoda and Flagellata.	
3	Explaining the general characteristics and systematics of the phylum Sporozoa and Ciliata.	
4	Explaining the general characteristics and systematics of the phylum Spongiaria and Coelenterata.	
5	Explaining the general characteristics and systematics of the phylum Plathelminthes, Nemathelminthes and Acanthocephala.	
6	Midterm exam I and subject repetition	
7	Explaining the general characteristics and systematics of the phylum Nematomorpha, Rotatoria, Gastrotrichia, Nemertinea, Bryozoa and Cteneria.	
8	Midterm exam II and subject repetition	
9	Explaining the general characteristics and systematics of the phylum Annelida.	
10	Explaining the general characteristics and systematics of the phylum Mollusca, Arthropoda, Echinodermata, Hemichordata and Chordata.	
11	Explaining the general characteristics and systematics of the classis Crustacea vs.	
12	Repeating courses and midterm exam	
13	systematics of the classis Insecta.	
14	Textbooks, References and/or Other Materials:	Lecturer's course notes.
15	Assesment	

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	1	30.00	30.00
Projects	1	24.00	24.00
Field Studies	0	0.00	0.00
Midterm exams	1	4.00	4.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			119.00
Total work load / 30 hr			3.83
ECTS Credit of the Course			4.00

TERM LEARNING ACTIVITIES	**NUMBER**	**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	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	4	5	4	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	5	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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