

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:	Yrd. Doç. Dr. Rahşen S. KAYA
16	Contact information of the Course Coordinator:	yhikmet@uludag.edu.tr
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 Nematelminthes, 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.
	9	
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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 Brachiopoda.			
8	Explaining the general characteristics and systematics of the phylum Chaetognatha, Phoronidea, Mesozoa, Echinodera, Priapulida and Cteneria.			
9	Explaining the general characteristics and systematics of the phylum Annelida.			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Systematics of the classis Crustacea ve Myriapoda.	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self-study	Explaining the general characteristics and systematics of the phylum Deuterostomia.	3	9.00	27.00
Homeworks		1	30.00	30.00
Projects	Explaining the general characteristics and systematics of the phylum Deuterostomia.	1	24.00	24.00
Field Studies		0	0.00	0.00
Midterm Exams	Textbooks, References and/or Other	1	4.00	4.00
Others		0	0.00	0.00
Final Exam	Assesment	1	2.00	2.00
Total Work Load				119.00
Total work load/ 30 hr				3.83
Midterm Exam		1	40.00	
ECTS Credit of the Course				4.00
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			