

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Evolutionary Biology Of Ampibians And Reptiles							
Course Code	BİO637	Couse Level	Third Cycle (I	Third Cycle (Doctorate Degree)				
ECTS Credit 7	Workload 170 (Hours)	170 (Hours) Theory 2 Practice		0	Laboratory	0		
Objectives of the Course	The scope of this course c their biologic and ecologic amphibians and reptiles.	The scope of this course covers the evolution and phylogeny of amphibians and reptiles, introduction of heir biologic and ecologic structures and review of scientific publications on the evolutionary process of amphibians and reptiles.						
Course Content	udy,The place of amp luction and life history n,Mating system and s	hibians and repti ,Body support ar sexual selection	les in vertebra d locomotion	ate evolution,Ten ,Feeding,Movem	nperature ents and			
Work Placement N/A								
Planned Learning Activities and Teaching Methods		Explanation (Preser Problem Solving	ntation), Demons	tration, Case	Study, Individual	Study,		
Name of Lecturer(s)								

Assessment Methods and Criteria

Method	Quantity	Quantity Percentage (%)			
Midterm Examination	1	40			
Final Examination	1	60			

Recommended or Required Reading

1	1. PAUGH F. H., ANDREWS, R. M., CADLE, J. E., CRUMP, M. L. SAVİTZKY, A. H. AND WELLS, K. D. 2001. Herpetology, 2nd edition, Prentice Hall, Upper Sadle River, New Jersey
2	2. ZUG G. R., VİTT, L. J AND CALDWELL J. P. 2001. Herpetology An introductory Biologyy of Amphibians and Reptiles, 2nd edition, Academic press.
3	articles about the subject

Week	Weekly Detailed Course Contents				
1	Theoretical	Herpetology as a field of study			
2	Theoretical	The place of amphibians and reptiles in vertebrate evolution			
3	Theoretical	Temperature and water relations			
4	Theoretical	Reproduction and life history			
5	Theoretical	Body support and locomotion			
6	Theoretical	Feeding			
7	Theoretical	Movements and Orientation			
8	Intermediate Exam	Midterm exam			
9	Theoretical	Communication			
10	Theoretical	Mating system and sexual selection			
11	Theoretical	Foraging ecology and interspesific relations			
12	Theoretical	Species assemblages			
13	Theoretical	Conservation and the future of Amphibians and reptiles			
14	Theoretical	Discussion of current scientific papers			
15	Final Exam	final			

Workload Calculation

Activity	Quantity	Quantity Preparation		Total Workload	
Lecture - Theory	13	2	2	52	
Lecture - Practice	2	2	2	8	
Midterm Examination	1	48	1	49	



						Course mormation Form	
Final E	Examination	1		60	1	61	
				To	otal Workload (Hours)	170	
			[Fotal Workload (Hours) / 25*] = ECTS	7	
*25 ho	*25 hour workload is accepted as 1 ECTS						
Learn	ing Outcomes						
1	1 1. To have knowledge about amphibian and reptile biology and ecology						
2	2 2. To have knowledge about the evolutionary relationships of amphibians and reptiles						

3	3. To have knowledge about the feeding ecology, reprodu	ctive biology, movement and behaviour of amphibians and reptiles
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Programme Outcomes (Biology Doctorate)

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1	To have enough scientific background knowledge towards a specific study and research area
2	To have an ability to identify, evaluate and develop a solution for a problem on biological aspects
3	To be able to evaluate scientific observations and results of experiments using statistical analysis methods
4	To have basic skills in areas related to field of biological studies
5	To have the ability to develop cooperation with different disciplines with the high level of social communication required for studies
6	To have knowledge of technology and use of methods and means used in biological researches
7	To have an ethical understanding which will be a guide for their investigations and publications
8	For PhD; to have European Language Portfolio C1 general level language skill
9	To be able to present and discuss own research results in accordance with scientific discipline using technological tools in scientific research environments
10	To be able to detect and evaluate economic and social impacts of an own original research results
11	To be equipped with ability of carrying out independent study in biological field
12	To be able to publish at least one an international/national peer reviewed scientific paper and/or produce or interpret an original work related to biology in order to expand the frontiers of knowledge
13	To be able to develop new approaches or adaptations to be used in solving scientific and biological problems
14	To be able to develop new understanding and approaches in order to explain a new phenomenon or a biological event under investigation
15	To have abilities and experience to create new search area through inspiration gained from subject searched

Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L2	L3	L4	L5
P1	3	3	3		
P2	4	4	4		
P4	4	4	4		
P5	3	3	3	2	2
P12	4	4	4		

