AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Life in Amphibian and Reptilian								
Course Code	BİO648		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	7	Workload	178 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to provide better understanding on the amphibians and reptiles of the world.								
Course Content	In the context of this course, the importance of field studies, diversity of reptiles and amphibians, feeding mechanism, movement in aquatic and terrestrial system and the effect of humans on amphibians and reptiles will be tought.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Herpetology, Pough, H. F., Andrews, M. R., Cadle, E. J., Crump, L. M., Savitzky, H. A. & Wells, D. K. 2001, Prentice-Hall, Inc. New Jersey. 612 pp. USA
2	Chemical Signals in Vertebrates, Mason, Robert T. 2005, Boston, MA: Springer Science+Business Media, Inc.
3	Yaşamın Temel Kuralları. Cilt III, Kısım I, Demirsoy, A. 1992.
4	Herpetology an introductory biology of amphibians and reptiles. ZUG, G. R., VITT, L. V. And CALDWELL, J. P. 2001, San Diego, Calif. : Academic Pres, 630 pp.

Week	Weekly Detailed Course Contents	
1	Theoretical	What are Amphibians and Reptiles?
2	Theoretical	Field studies in herpetology and its importance
3	Theoretical	Morphological characters used in herpetological studies
4	Theoretical	Systematics of Salamanders and Frogs
5	Theoretical	Systematics of Lizards and Snakes
6	Theoretical	Amphibians and Reptiles in Terrestrial Ecosystems
7	Theoretical	Water in the Lives of Amphibians and Reptiles
8	Theoretical	Terrestrial Feeding Mechanisms
9	Intermediate Exam	Mid Exam
10	Theoretical	Movement in aquatic and terrestrial systems and importance of extremities.
11	Theoretical	Nest site fidelity behaviours
12	Theoretical	Life Cycles, reprotuctive Modes, and Development
13	Theoretical	Impact Humans on Amphibians and Reptiles
14	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	9	9	9	162
Assignment	2	2	2	8
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
			Total Workload (Hours)	178
			[Total Workload (Hours) / 25*] = **ECTS**	7
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	The student is able to learn the differences between amphibians and reptiles.
2	The student is able to learn feeding of amphibians and reptiles.
3	The student is able to learn of life cycle of amphibians and reptiles.
4	The student is able to get information about the human impact on amphibians and reptiles.
5	

Programme Outcomes *(Biology Doctorate)*	
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	5	5	5	4	
P2			4	4	
P3	4	4	4		
P4	4	4	4	3	
P5					2
P12				4	
P13		4	5	4	
P14	4				
P15			4	4	