



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Biology of Sea Turtles I							
Course Code		BİO611		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	175 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		This course covers evolution, phylogeny and current status of marine turtles, population genetics and molecular evolution, reproduction, nesting, orientation, navigation and migration in marine turtles, habitat utilization, age, growth and population dynamics, human impacts on sea turtle survival.							
Course Content		Evolution, Phylogeny and Current Status,Population Genetics, Reproduction,The Nest Environment and the Embryonic Development,Orientation, Navigation,Habitat Utilization and Migration,Locomotion,Age, growth and Population Dynamics,Diving Physiology,Thermal Biology							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Lutz, P. & Musick, J. 1997. Biology of Sea Turtles I
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Week	Weekly Detailed Course Contents	
1	Theoretical	Evolution, Phylogeny and Current Status
2	Theoretical	Population Genetics, Phylogeography and Molecular Evolution
3	Theoretical	Reproduction in Sea Turtles
4	Theoretical	The Nest Environment and the Embryonic Development of Sea Turtles
5	Theoretical	Orientation, Navigation and Natal Homing in Sea Turtles
6	Theoretical	Habitat Utilization and Migration in Sea Turtles
7	Theoretical	Sea Turtle Locomotion
8	Intermediate Exam	Midterm exam
9	Theoretical	Foraging Ecology of Sea Turtles
10	Theoretical	Age, growth and Population Dynamics
11	Theoretical	Diving Physiology
12	Theoretical	Thermal Biology
13	Theoretical	Human Impacts on Sea Turtle Survival
14	Theoretical	Discussion of current scientific papers
15	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	2	3	65
Midterm Examination	1	48	1	49
Final Examination	1	60	1	61
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. To have a knowledge on the taxonomy of extant marine turtles
2	2. To have knowledge about the general biology, ecology and distribution of extant marine turtles
3	3. To have knowledge about the current scientific papers about the biology, ecology and conservation of marine turtles



4	4. To have knowledge about the factors threatening the marine turtle populations and scientific and public studies to minimize these threats
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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	4	4	4	4	
P2				4	
P4	3	3	3	3	
P5	2	2	2	2	5
P6			3		
P7				4	
P13			3		
P15				4	

