



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Conservation Biology							
Course Code		BiO610		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	178 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Understanding the importance of ecosystems and species, endangered species, habitat fragmentation, global diversity, planning nature reserves, conservation principles and preparing management plans							
Course Content		Global biodiversity,Threats to Biodiversity,Conservation Values and Ethics,Habitat Fragmentation,Species Invasions							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study, Problem Solving					
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. Groom, M. J. Meffe, G. K. Carroll, R. 2005. Principles of Conservation Biology
2	2. Pullin, A. S. 2002 Conservation Biology

Week	Weekly Detailed Course Contents	
1	Theoretical	What is Conservation Biology?
2	Theoretical	Global biodiversity
3	Theoretical	Threats to Biodiversity
4	Theoretical	Conservation Values and Ethics
5	Theoretical	Ecological Economics and Nature Conservation
6	Theoretical	Habitat Degradation and Loss
7	Theoretical	Habitat Fragmentation
8	Intermediate Exam	Mid-term exam
9	Theoretical	Overexploitation
10	Theoretical	Species Invasions
11	Theoretical	Biological Impacts of Climate Change
12	Theoretical	The Use and Importance of Genetic Information
13	Theoretical	Species and Landscape Approaches to Conservation
14	Theoretical	Discussion of related scientific papers
15	Final Exam	final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	3	3	78
Lecture - Practice	2	2	2	8
Midterm Examination	1	30	1	31
Final Examination	1	60	1	61
Total Workload (Hours)				178
[Total Workload (Hours) / 25*] = ECTS				7

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	1. Knows about what is conservation biology? What are the fundamentals of conservation biology? Why we should protect biodiversity?
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2	2. To have enough knowledge about threats to biodiversity
3	3. To have knowledge about conservation and ethical values and the religions and their perspectives to conservation
4	4. To have knowledge about cause and effect relationships of some events such as invasive species and climate change.
5	5. To have enough knowledge about the application of genetic methods in conservation.
6	6. Knows about current scientific papers that are applied in conservation and successful on the field.

#### 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	L6
P1	2	4	3	3	4	2
P2	2	2	4	4	4	4
P4	2	4	3	3	4	4
P5	2	3	3	3	3	3
P7	5	5	5	5	5	5
P10	2	2	2	2	2	2
P13						5
P15	4	4	4	4	5	5

