



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Life Strategies of Mosses							
Course Code		BİO602		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	172 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Learning life strategies in mosses							
Course Content		Life strategy is a sum of adaptations of an organism during her interactions with the environment. Different life strategies in different environment is a result of different adaptations forced by different environmental conditions. Life span, growth form, reproductional features and competition defines these adaptations.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study, 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	DURING, H. 1979. Life Strategies of Bryophytes:A Preliminary Rewiev. Lindbergia 5, 2
2	MAGDEFRAU, K. 1982. Life-forms of Bryophytes. In Bryophyte Ecology pp 45-58
3	KÜRSCHNER, H., TONGUÇ, Ö. and YAYINTAŞ A. 1998. Life Strategies in Epiphytic Bryophyte Communities of the Southwest Anatolian Liquidambar orientalis forest. Nova Hedwigia, 66: 435-450
4	KÜRSCHNER, H. 1999. Life Strategies of Epiphytic Bryophytes in Mediterranean Pinus Woodlands and Platanus orientalis Alluvial Forest of Turkey. Cryptogamic . Bryol. 20(1):17-33
5	KÜRSCHNER, H. and PAROLLY, G. 1999. Syntaxonomy, Synecology and Life Strategies of Selected Saxicolous Bryophyte Communities of West Anatolia and a Syntaxonomic Conspectus for Turkey. Nova Hedwigia, 68: 365-391
6	KÜRSCHNER, H. and PAROLLY, G. 1999. Epipterygio - Riccietum frostii ass.nov: Ecology and Life Strategies of Ephemeral Bryophytes in Communities in Western Turkey. Lindbergia. 24:84-92.Lund

Week	Weekly Detailed Course Contents	
1	Theoretical	Intrduction to life of bryophytes
2	Theoretical	Life forms in bryophytes
3	Theoretical	Concepts of avoidance and tolerance
4	Theoretical	Life span, mortality and reproduction among bryophytes
5	Theoretical	Main habitats of bryophytes
6	Theoretical	Different life strategies
7	Theoretical	Analyses of different life strategies
8	Final Exam	Midterm exam
9	Theoretical	Life strategy spectrum
10	Theoretical	Ephemeral associations and life strategy analyses
11	Theoretical	Epiphytic associations and life strategy analyses
12	Theoretical	Termophytic associations and life strategy analyses
13	Theoretical	Habita conditions and effects on life strategies
14	Theoretical	Comparison of seed plants and higher cryptogams in terms of life strategies

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	8	2	0	16
Studio Work	4	2	2	16
Reading	10	5	0	50



Midterm Examination	1	15	2	17
Final Examination	1	15	2	17
Total Workload (Hours)				172
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Learns life strategies
2	Assumes environmental fluctuations in a time interval by evaluating life
3	Analyse life strategy
4	Learns scientific ethics and study principles
5	Gains ability to present knowledge

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				
P2		2			
P4			2		
P7				5	
P9					5
P14				5	

