AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Moss Flora of Turkey I (xerophytes)								
Course Code	BİO609		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	8	Workload	197 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Learning of xerophytic mosses of Turkey								
Course Content	Xerophytic mosses constitute major part of Turkish bryo-flora and they are the most diversed group in Turkish Mediterranean moss flora. Pottiaceae is the most eminent family in this group of mosses.								
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	PEDROTTI, C.C. 2001. Flora Dei Muschi D'Italia. Medicina-Scienze
2	SMITH, A.J.E., 2004. The Moss Flora of Britain and Ireland. (Second Edition) Cambridge Univ. Press
3	SMITH, A.J.E., 1990. The Liverworts of Britain and Ireland. Cambridge: Cambridge Univ. Press.
4	HEYN, C.C., HERRNSTADT, I., BISCHLER H. ve JOVET-AST, S. 2004. The Bryophyte Flora of Israel and Adjacent Regions. The Israel Academy of Sciences and Humanities
5	ZANDER R.H. 1993. Genera of The Pottiaceae: Mosses of Harsh Enviroments. Bullettin of the Buffalo Society of naturel Sciences Vol. 322006, International Code of Botanical Nomenclature, Vienna 2005
6	HARALD, K. ve ERDAG, A. 2004. an annotated reference list with synonyms from the recent literature and an Annotated List of Turkish Bryological Literature. Turk. J. Bot. pp 95-154

Week	Weekly Detailed Course Contents	
1	Theoretical	
	Preparation Work	Related literatüre search on leaves, papillae and aridness
2	Theoretical	
	Preparation Work	Related literature search on Cerotodon, Ditrichum, Cheilothela, Oncophorus, Dicranum
3	Theoretical	Pottiaceae
	Preparation Work	Related literatüre search on Weissia spp., Tortella spp., Trichostomum spp., Pleurochaete spp., Anoectangium spp., Molendoa spp., Pottia
4	Theoretical	Pottiaceae
	Preparation Work	Related literature search on Barbula spp., Didymodon spp
5	Theoretical	Pottiaceae
	Preparation Work	Related literature search on Acaulon spp., Phascum spp., Crossidium spp., Pterygoneurum sp., Aloina spp
6	Theoretical	Pottiaceae
	Preparation Work	Related literature search on Tortula spp., Syntrichia spp
7	Theoretical	Grimmiaceae
	Preparation Work	Related literature search on Grimmia spp.,
9	Theoretical	Grimmiaceae
	Preparation Work	Related literature search on Schistidium spp.,Racomitrium spp
10	Theoretical	Orthotrichaceae
	Preparation Work	Related literature search on Orthotrichum spp.

11	Theoretical	Orthotrichaceae
	Preparation Work	Related literature search on Zygodon spp., Ulota spp.
12	Theoretical	
	Preparation Work	Related literature search on Hypnum spp., Homalothecium spp.
13	Theoretical	
	Preparation Work	Related literature search on Scleropodium spp., Isothecium spp.
14	Theoretical	
	Preparation Work	Related literature search on ethichs in biological sciences

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56
Land Work	4	2	2	16
Reading	10	4	0	40
Midterm Examination	1	10	2	12
Final Examination	1	15	2	17
			Total Workload (Hours)	197
			[Total Workload (Hours) / 25*] = **ECTS**	8

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Identfy xerophytic mosses
2	Learns basic diagnostics among xerophytic mosses in different ranks
3	Use knowledge in other researches
4	Understands different taxonomical problems and can make recommendations to solve some problems
5	Learns scientific ethics and study principles
6	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	L6
P1	5					
P2			2	5		
P3		2				

P7					5	
P9						5