AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
LANDSCAPE ARCHITECTURE
LANDSCAPE ARCHITECTURE
LANDSCAPE ARCHITECTURE MASTER
COURSE INFORMATION FORM

Course Title	Wetland Ecology and Management								
Course Code	ZPM508		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	7	Workload	175 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	Objective of this course is to improve basic knowledge of wetland ecology and function, to increase knowledge about wetland and wildlife management, to have knowledge about wetlands classification, restoration, and problem solving.								
Course Content	Content of this course; Information about wetlands, wetland types and classification of wetlands, hidrojeomorfological structure, physical and biotic characteristics of wetlands, energy flow and population dynamics of wetlands, wetland species and habitats, endangered endemic species in wetlands, wetland regulatory legislation, policy and management.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	40
Term Assignment	1	30

Recommended or Required Reading	
1	Keddy, P.A., 2010. Wetland Ecology: Principles and Conservation, second edition, Cambridge University Press, Cambridge, UK, 476 pages.
2	Mitsch, W.J., Gosselink, J.G., Zhang, L., Anderson, C.J., 2009. Wetland Ecosystems, John Wiley&Sons Inc., New Jersey, USA, 295 pages.
3	Mitsch, W.J., Gosselink, J.G., 2007. Wetlands, John Wiley&Sons Inc., New Jersey, USA, 582 pages.
4	Romanowski, N., 2009. Planting Wetlands and Dams: a Practical Guide to Wetland Design, Construction and Propagation, 2nd ed., Landlinks Press, Collingwood VIC, Australia, 126 pages.
5	Smardon, R.C., 2009. Sustaining the World's Wetlands, Setting Policy and Resolving Conflicts, Springer Sciences Business Media, LLC, New York, USA, 326 pages.
6	Faber-Langendoen, D., Kudray, G., Nordman, C., Sneddon, L., Vance, L., Byers, E., Rocchio, J., Gawler, S., Kittel, G., Menard, S., Comer, P., Muldavin, E., Schafale, M., Foti, T., Josse, C., Christy, J., 2008. Ecological Performance Standards for Wetland Mitigation: An Approach Based on Ecological Integrity Assessments. NatureServe, Arlington, VA., USA, 65 pages.
7	Cole, C.A., Serfass, T.L., Brittingham, M.C., Brooks, R.P., 1996. Managing Your Restored Wetland, Neil Dowlin (ed.), The Pennsylvania State University, USA, 45 pages.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to course: content, reason, importance, process method and needs.
2	Theoretical	Definition of wetlands and wetland type
3	Theoretical	Classification of wetlands
4	Theoretical	Wetland ecology and functions
5	Theoretical	Wetland climate
6	Theoretical	Wetland flora and fauna
7	Theoretical	Endangered species
8	Intermediate Exam	Mid-term exam
9	Theoretical	World wetlands
10	Theoretical	Wetland in danger and their losses
11	Theoretical	International wetland policy and management.
12	Theoretical	International wetland regulatory legislation and application
13	Theoretical	National wetland policy and management.
14	Theoretical	Restoration of wetlands
15	Theoretical	Monitoring and assessment of wetlands

16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	7	3	140
Term Project	1	6	1	7
Midterm Examination	1	11	1	12
Final Examination	1	15	1	16
			Total Workload (Hours)	175
			[Total Workload (Hours) / 25*] = **ECTS**	7
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to understand wetland type and classes,
2	To be able to understand hidrojeomorfological structure,
3	To be able to know physical and biotic characteristics of wetlands,
4	To be able to know energy flow and population dynamics of wetlands,
5	To be able to examine wetland species and habitats,
6	To be able to have a knowledge about endangered endemic species in wetlands.

Programme Outcomes *(Landscape Architecture Master)*	
1	e
2	e
3	e
4	e
5	e

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	1	1	1	1	1	1
P2	3	3	3	3	3	3
P3	4	4	4	4	4	4
P4	5	5	5	5	5	5