



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ecological Landscape Planning							
Course Code		ZPM511		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to learn basic principles of ecology and landscape ecology and its applications and to learn application of ecological knowledge in landscape planning.							
Course Content		The content of this course is that: definitions and concepts of ecology and landscape ecology, the importance and the role of landscape architect in environmental protection and planning research, landscape ecology as an environmental science; landscape and landscape patterns, landscape analysis, ecological knowledge in landscape planning practice, historical development of the national and international applications about ecological landscape planning.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Prof. Bülent DENİZ							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	40
Term Assignment	1	30

### Recommended or Required Reading

1	Forman, R.T.T. & Godron, M. 1981: Patches and structural components for a landscape ecology. BioScience 31(10): 733-740; Forman, R.T.T. & Godron, M. 1986: Landscape ecology. Wiley, NY.
2	Turner, M.G., R. H. Gardner and R. V. O'Neill 2001. Landscape Ecology in Theory and Practice. Springer-Verlag, New York, NY, USA.
3	Forman, R.T.T. 1995. Land Mosaics: The Ecology of Landscapes and Regions. Cambridge University Press, Cambridge, UK.
4	Naveh, Z. and A. Lieberman. 1984. Landscape ecology: theory and application. Springer-Verlag, New York, NY, USA.
5	Zonneveld, I.S. 1995: Land ecology: an introduction to landscape ecology as a base for land evaluation, land management and conservation. SPB, Amsterdam.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to course: content, reason, importance, process method and needs.
2	Theoretical	Ecology, landscape ecology and landscape planning and relationship to landscape architecture
3	Theoretical	The evaluation of landscape ecology theory and development as a discipline.
4	Theoretical	Relation between ecology-landscape ecology
5	Theoretical	Landscape in landscape ecology
6	Theoretical	"Scale", "Composition", "Structure", "Function" in landscape ecology.
7	Theoretical	"Patch" and "Mosaic" in landscape ecology.
8	Intermediate Exam	Mid-term exam
9	Theoretical	"Boundary and Edge" in landscape ecology.
10	Theoretical	"Ecotones", "Ecoclines" and "Ecotopes" in landscape ecology.
11	Theoretical	"Disturbance" and "Fragmentation" in landscape ecology
12	Theoretical	Ecological landscape planning applications.
13	Theoretical	National case studies about ecological landscape planning
14	Theoretical	International case studies about ecological landscape planning.
15	Theoretical	International case studies about ecological landscape planning
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	10	2	168
Term Project	1	6	1	7



Midterm Examination	1	10	1	11
Final Examination	1	13	1	14
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To be able to know definition and concept of ecology and landscape ecology.
2	To be able to know the importance and the role of landscape architect in environmental protection and planning research and to understand the importance of ecological knowledge.
3	To be able to know basic principles of landscape ecology
4	To be able to know application of landscape ecology in landscape planning.
5	To be able to know historical development of national and international application about ecological landscape planning
6	To be able to know national and international application and case studies about ecological landscape planning

### 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	5	5	5	5	3	3
P2	2	2	4	3		
P3	1	3	3	4		
P4	3	5	3	5	4	4

