



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

Course Title	Urban Landscapes and Sustainable Cities								
Course Code	ZPM540	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	8	Workload	200 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	This course aims to explain the concepts of urban landscapes and urban ecology, to examine the relation between cities as a cultural-natural landscape and nature, and to discuss sustainable ecological urban planning processes and their implications.								
Course Content	Ecological concepts frequently encountered in cities such as sustainability, nature protection, health, development, globalization and climate change, justice and equality will be addressed and associated with landscape planning processes.								
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
Assignment	2	30

#### Recommended or Required Reading

1	Kışlalıoğlu, M. ve Berkes, F. 1993. Çevre ve Ekoloji. Çevre Sorunları Dizisi, Ankara.
2	Alberti, M., 2008. Advances in urban ecology: integrating humans and ecological processes in urban ecosystems (No. 574.5268 A4). New York: Springer.
3	Forman, R.T., 2014. Urban ecology: science of cities. Cambridge University Press.
4	Breuste, J., Feldmann, H. and Uhlmann, O. eds., 2013. Urban ecology. Springer Science & Business Media.
5	Gaston, K.J. ed., 2010. Urban ecology. Oxford University Press.
6	Niemelä, J., Breuste, J.H., Guntenspergen, G., McIntyre, N.E., Elmqvist, T. and James, P. eds., 2011. Urban ecology: patterns, processes, and applications. OUP Oxford.
7	McPhearson, T., Pickett, S.T., Grimm, N.B., Niemelä, J., Alberti, M., Elmqvist, T., Weber, C., Haase, D., Breuste, J. and Qureshi, S., 2016. Advancing urban ecology toward a science of cities. BioScience, 66(3), pp.198-212.
8	Douglas, I., Goode, D., Houck, M. and Maddox, D. eds., 2010. Handbook of Urban Ecology. Routledge.
9	Egoz, S., & De Nardi, A. 2017. Defining landscape justice: the role of landscape in supporting wellbeing of migrants, a literature review. Landscape Research, 42(sup1), S74-S89.
10	Egoz, S., Jørgensen, K. and Ruggeri, D. eds., 2018. Defining landscape democracy: A path to spatial justice. Edward Elgar Publishing.
11	Andersson, E., 2006. Urban landscapes and sustainable cities. Ecology and society, 11(1).
12	Jabareen, Y., 2013. Planning the resilient city: Concepts and strategies for coping with climate change and environmental risk. Cities, 31, pp.220-229.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to course: content, reason, importance, process method and needs
2	Theoretical	The subject and scope of ecology, Cities, landscape and ecology, Urban landscape and ecology concepts
3	Theoretical	Agricultural society-natural systems
4	Theoretical	Industrial society-natural systems
5	Theoretical	Urban-nature relationship / dilemma, Urbanization and destruction
6	Theoretical	Climate change and the concept of urban heat island
7	Theoretical	Urban open and green spaces, Cities and biodiversity, Urban flora and fauna
8	Theoretical	Urban open and green spaces, Cities and biodiversity, Urban flora and fauna
9	Intermediate Exam	Midterm exam
10	Theoretical	Basic theories and principle in urban ecology
11	Theoretical	Urban ecology and landscape planning approaches



12	Theoretical	Nature conservation in planning legislation and literature
13	Theoretical	Urban planning and ecological cities, Basic principles and application tools
14	Theoretical	Discussion: Urban ecosystems and local economy, politics, culture, justice and equality concepts
15	Theoretical	Discussion: Urban planning and nature relationship, problems and solutions
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	4	2	84
Lecture - Practice	14	4	2	84
Assignment	2	4	1	10
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Defining the urban landscapes, describe and evaluate the processes and patterns that characterize urban ecological systems.
2	Understand biodiversity and ecosystem responses to urbanization.
3	Recognize energy flows within urban landscapes and how energy use and waste improve or deteriorate environmental quality,
4	Evaluate the relations of urban landscapes with the concepts of local economy, politics, culture, justice and equality,
5	Critically evaluate management and policy solutions to urban ecological problems.

### 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
P1	5	5	5	5	4
P2	5	5	5	5	5
P3	2	2	2	4	4
P4	5	5	5	5	5
P5	3	3	3	4	4

