# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

| Course Title | | Urban Landscapes and Sustainable Cities | | | | | |
|---|---|---|---|---|---|---|---|
| Course Code | | ZPM540 | | Couse 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 |