



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

| | | | | | | | | | |
|--|---|--------------|-------------|--------|--------------------------------|----------|---|------------|---|
| Course Title | Urban Ecosystem and Green Spaces | | | | | | | | |
| Course Code | ZPM518 | Course Level | | | Second Cycle (Master's Degree) | | | | |
| ECTS Credit | 7 | Workload | 175 (Hours) | Theory | 3 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | Course objectives are; to emphasize urban area as an ecosystem and the importance of urban ecosystem, to serve elements of urban ecosystem, to give information about ecosystem services of urban open-green spaces, to analyse planning, design and management of urban open-green spaces. | | | | | | | | |
| Course Content | Explaining the concept of urban area, ecosystem and urban ecosystem, elements of urban ecosystem, ecosystem services of urban open-green spaces, planning, design and management of urban open-green spaces. | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion, Project Based 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 | Bruni, D.; (2016). Landscape Quality and Sustainability Indicators. Agriculture and Agricultural Science Procedia 8, 698 – 705. |
| 2 | Elmqvist, T.; Setälä, H.; Handel, S.N.; Ploeg, S.; Aronson, J.; Blignaut, J.N.; Gomezbaggethun, E.; Nowak, D.; Kronenberg, J.; Groot, R. (2015). Benefits of restoring ecosystem services in urban areas. Current Opinion in Environmental Sustainability, 14, 101-108. |
| 3 | Gilbert., N, 2016, Green space: A natural high. Nature, 531(7594), S56-S57. |
| 4 | Khoshtaria, T.K.; Chachava N.T.; (2017). The planning of urban green areas and its protective importance in resort cities (case of Georgian resorts). Annals of Agrarian Science xxx 2017, 1e7. |
| 5 | Kozan, A. (2015). Urban Ekoloji, Ankara Üniversitesi Fen Bilimleri Enstitüsü Peyzaj Mimarlığı Anabilim Dalı Yüksek Lisans Projesi, Ankara. |
| 6 | Li, F.; Liu, X.; Zhang, X.; Zhao, D.; Liu, H.; Zhou, C.; Wang, R. (2016). Urban Ecological Infrastructure: An Integrated Network For Ecosystem Services And Sustainable Urban Systems, Journal of Cleaner Production |
| 7 | Önder, S.; Polat, A. (2012). Kentsel Açık Yeşil Alanlarının Kent Yaşamındaki Yeri Ve Önemi, Kentsel Peyzaj Alanlarının Oluşumu Ve Bakım Esasları Semineri (19 Mayıs,2012), Konya. |
| 8 | Palacio, C.; Berrouet, L.; López, C.; Ruiz, A.; Upegui, A. (2016). Lessons from the integrated valuation of ecosystem services in a developing country: Three case studies on ecological, socio-cultural and economic valuation. Ecosystem Services. |
| 9 | Yazgan, M.; Khabbazi, P. (2010). Yeşil Alanların Kent Ekolojisi Üzerine Etkileri, Ankara Üniversitesi, Ziraat Fakültesi, Peyzaj Mimarlığı Bölümü. |
| 10 | Abbasi, A.; Alalouch, C.; Bramley, G. (2016). Open space quality in deprived urban areas: user perspective and use pattern. Procedia-Social and Behavioral Sciences, 216, 194-205. |
| 11 | Dennis, M.; James, P.; (2016). Site-specific factors in the production of local urban ecosystem services: A case study of community-managed green space, Ecosystem Services Volume 17, February 2016, Pages 208–216. |
| 12 | Hoyle, H.; Hitchmough, J.; Jorgensen, A. (2017). All about the 'wow factor'? The relationships between aesthetics, restorative effect and perceived biodiversity in designed urban planting. Landscape and Urban Planning. 164, 109-123. |
| 13 | Hüse, B.; Szabó, S.; Deák, B.; Tóthmérész, B. (2016). Mapping an ecological network of green habitat patches and their role in maintaining urban biodiversity in and around Debrecen city (Eastern Hungary), Land Use Policy, 57, 574-581. |
| 14 | Manavoğlu, E.; Ortaççesme, V. (2015). Antalya kentsel yeşil alanlarının çok ölçütlü analizi ve planlama stratejilerinin geliştirilmesi, Akdeniz Üniversitesi Ziraat Fakültesi Dergisi (2015) 28(1):11-19. |
| 15 | Mocior, E.; Kruse, M. (2016). Educational Values and Services of Ecosystems and Landscapes – An Overview, Ecological Indicators Volume 60, January (2016). Pages 137–151. |
| 16 | Polat, A.T.; Akay, A. (2015). Relationships between the Visual Preferences of Urban Recreation Area Users and Various Landscape Design Elements. Urban Forestry & Urban Greening. 14 (3), 573-582. |
| 17 | Rutt, R.; Gulsrud, N. (2016). Green justice in the city: A new agenda for urban green space research in Europe, Urban Forestry & Urban Greening Volume 19, 1 September 2016, Pages 123–127. |



| | |
|----|--|
| 18 | Wolch, J.R.; Byrne, J.; Newell, J.P. (2014). Urban green space, public health, and environmental justice: The challenge of making cities 'just green enough'. <i>Landscape and Urban Planning</i> , 125, 234-244. |
| 19 | Xu, L.; You, H.; Li, D.; Yu, K. (2016). Urban green spaces, their spatial pattern, and ecosystem service value: The case of Beijing, <i>Habitat International</i> , Volume 56, August 2016, Pages 84–95. |
| 20 | Walker, C. (2004). <i>The Public Value of Urban Parks, Beyond Recreation, a Broader View of Urban Parks</i> , The Urban Institute: The Wallace Foundation. |
| 21 | Yücekaya, M. (2013). Kilis'te Açık Yeşil Alan ve Park Nitelikleri, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Şehir ve Bölge Planlama Ana Bilim Dalı Urban Tasarım Bilim Dalı, Yüksek Lisans Tezi, Kayseri. |
| 22 | Özkır, A. (2007). Kent Parkları Yönetim Modelinin Geliştirilmesi, Ankara Üniversitesi Fen Bilimleri Enstitüsü, Peyzaj Mimarlığı Anabilim Dalı Doktora Tezi, Ankara. |
| 23 | Kozan, A. (2015). Urban Ekoloji, Ankara Üniversitesi Fen Bilimleri Enstitüsü Peyzaj Mimarlığı Anabilim Dalı Yüksek Lisans Projesi, Ankara |
| 24 | Elinç, H. (2011). Görsel kalite değerlendirmesi yöntemi ile Antalya ili Alanya ilçesindeki Abdurrahman Alaettinoğlu ve Alanya belediye başkanları kent parklarının irdelenmesi (Doctoral dissertation, Selçuk Üniversitesi Fen Bilimleri Enstitüsü). |
| 25 | Brunson, L. (1999). Resident Appropriation of Defensible Space in Public Housing: Implications for Safety and Community. Unpublished Doctoral Dissertation, University of Illinois, Champaign-Urbana, IL. |
| 26 | Biebel, D.B.; Dill, J. E. M.; Dill, B. R. (2012). <i>A to Z Guide to Healthier Living</i> , The. Baker Books. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|---|
| 1 | Theoretical | The aim of the course, the importance of the course, the content of the course |
| 2 | Theoretical | The concept and characteristics of urban areas |
| 3 | Theoretical | The history of urban areas and systems |
| 4 | Theoretical | Ecosystem and the types of ecosystem |
| 5 | Theoretical | Ecosystem and the types of ecosystem |
| 6 | Theoretical | Components of urban ecosystem |
| 7 | Theoretical | Ecosystem services of urban open-green spaces |
| 8 | Intermediate Exam | Mid-term exam |
| 9 | Theoretical | Ecosystem services of urban open-green spaces |
| 10 | Theoretical | Ecosystem services of urban open-green spaces |
| 11 | Theoretical | Ecosystem services of urban open-green spaces |
| 12 | Theoretical | Analyse; planning, design and management of urban open-green spaces in a sample landscape |
| 13 | Theoretical | Analyse; planning, design and management of urban open-green spaces in a sample landscape |
| 14 | Theoretical | Analyse; planning, design and management of urban open-green spaces in a sample landscape |
| 15 | Theoretical | Discussion about planning, design and management of urban open-green spaces |
| 16 | Final Exam | Final exam. |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 7 | 3 | 140 |
| Midterm Examination | 1 | 15 | 1 | 16 |
| Final Examination | 1 | 18 | 1 | 19 |
| Total Workload (Hours) | | | | 175 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 7 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

| | |
|---|---|
| 1 | Will be able to comprehend urban area as an ecosystem |
| 2 | Will be able to comprehend the importance of urban ecosystem |
| 3 | Will be able to learn the elements of urban ecosystem |
| 4 | Will be able to reach basic knowledge of ecosystem services of urban open-green spaces. |
| 5 | Will be able to analyse; planning, design and management of urban open-green spaces in a sample landscape |

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 | 4 | 4 | 5 | 5 | 5 |
| P2 | 5 | 5 | 5 | 5 | 5 |
| P3 | 4 | 4 | 4 | 4 | 4 |
| P4 | 4 | 4 | 4 | 4 | 4 |
| P5 | 5 | 5 | 5 | 5 | 5 |

