



## AYDIN ADNAN MENDERES UNIVERSITY 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 ( <i>Hours</i> )	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.; Ortaçşme, 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'. Landscape and Urban Planning, 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, Habitat International, Volume 56, August 2016, Pages 84–95.
20	Walker, C. (2004). The Public Value of Urban Parks, Beyond Recreation, a Broader View of Urban Parks, 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). A to Z Guide to Healthier Living, 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

