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

Course Title	Landscape Planning and Ecosystem Services								
Course Code	ZPM543		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 create a better understanding of the ecological components of different ecosystems, different ecosystems and the ecosystem services they provide, and the importance of these services in the landscape planning process.								
Course Content	Explanation of ecosystem, ecosystem services, the typology of benefits and values, classification of ecosystem services, and different tools for measuring, valuing, visualizing and mapping ecosystem services.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Lec. Ebru ERSOY TONYALOĞLU								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	40
Assignment	2	30

Recommended or Required Reading	
1	Wratten, S., Sandhu, H., Cullen, R., Costanza, R., 2013. Ecosystem Services in Agricultural and Urban Landscapes, John Wiley and Sons, Ltd. , UK, ISBN: 978-1-4051-7008-6.
2	Mander, Ü., Wiggering, H., Helming, K., 2010. Multifunctional Land Use, Springer-Verlag Berlin, Germany, ISBN: 978-3-642-07184-3.
3	MEA, 2005. Ecosystems and Human Well-Being - Biodiversity Synthesis, Millennium Ecosystem Assessment, Island Press, Washington DC.
4	von Haaren, C., Lovett, A.A. and Albert, C., 2019. Landscape Planning with Ecosystem Services. Springer Netherlands.
5	Wende, W., 2019. Landscape planning and ecosystem services in Europe and beyond. Ecosystems and People, 15(1).
6	Tezer, A., Uzun, O., Okay, N., Terzi, F., Köylü, P., Karaçor, E., Türkay, Z., Kaya, M., Güler, İ., Aydın, B. and Kara, D., 2018. Ekosistem servislerine dayalı “havza koruma alanları” tanımlamasının önemi ve kapsamı: Düzce–Melen havzası. Kentli Dergisi, 57, pp.58-62.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to course: content, reason, importance, process method and needs
2	Theoretical	Introduction to ecosystem, ecosystem service, service, value, benefit, function and biodiversity concepts
3	Theoretical	Classification of ecosystem services
4	Theoretical	Ecosystem services and landscape planning
5	Theoretical	Data sources for ecosystem services assessments
6	Theoretical	Data sources for ecosystem services assessments, Different tools for measuring ecosystem services
7	Theoretical	Different tools for measuring ecosystem services
8	Intermediate Exam	Midterm exam
9	Theoretical	Different tools for the valuation of ecosystem services
10	Theoretical	Different tools for the valuation of ecosystem services
11	Theoretical	Different tools for visualizing ecosystem services
12	Theoretical	Different tools for visualizing ecosystem services, Methods and tools for mapping ecosystem services
13	Theoretical	Methods and tools for mapping ecosystem services
14	Theoretical	Scenarios created for ecosystem services
15	Theoretical	Scenarios created for ecosystem services

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	To be able to define ecosystem, biodiversity, utility, function, value and service concepts.
2	To be able to classify ecosystem services.
3	To be able to interpret the relationships between ecosystem services and landscape planning.
4	To understand different tools to define and measure ecosystem services.
5	To understand different mapping and interpretation of existing ecosystem services and scenarios of possible ecosystem services in the future.

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