

NATURAL SYSTEMS AND DESIGN

1	Course Title:	NATURAL SYSTEMS AND DESIGN
2	Course Code:	PYZ1006
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. AYSUN ÇELİK ÇANGA
15	Course Lecturers:	Doç.Dr. AYSUN ÇELİK
16	Contact information of the Course Coordinator:	Doç.Dr. AYSUN ÇELİK Bursa Uludağ Üniversitesi Ziraat Fak. Peyzaj Mim. Böl.Görükle Yerleşkesi 16059 Nilüfer/BURSA
17	Website:	
18	Objective of the Course:	It is aimed to explain designing along with all the components of nature, and conceptual approach about it. It is aimed to tell the usage of land forms, topography, planting elements, and water, ecological design and natural landscape systems.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be able to learn natural systems
	2	To be able to learn natural formation, and land diversity
	3	To be able to design integrating with nature, up-to-date approaches of landscape architecture
	4	To be able to provide integrating natural systems into design process
	5	To be able to register ecological design approaches, and to carry out appropriate works for landscape projects
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introducing natural systems	Literature research
2	Explaining system theory, discussing natural systems and design issues	Literature research
3	Type – typology – archetypes concepts / landscape archetypes	Literature research

4	Natural and cultural landscape elements and design	Literature research
5	Natural and cultural landscape elements and design – samples from Turkey and all over the world	Literature research
6	Land forms – topography general features and samples	Gathering samples, discussing, and sketch exercising
7	Land forms, morphology, topography and design	Exercise with release materials on selected area and topography, specialized according to its theme (modelling, sketching)
8	Land forms, morphology, topography and design	Exercise with release materials on selected area and topography, specialized according to its theme (modelling, sketching)
9	Design with other landscape elements (water, planting materials, etc.)	Sample study
10	Sample project exercise with natural landscape elements	Release materials, project study
11	Sample project exercise with natural landscape elements	Release materials, project study
12	Sample project exercise with natural landscape elements	Release materials, project study
13	Sample project exercise with natural landscape elements	Release materials, project study
14		
22	Textbooks, References and/or Other Materials:	<ul style="list-style-type: none"> • Design With Nature, Ian McHarg, NewYork: J.Wiley, 1992. • Basic Elements of Landscape Architectural Design, Norman K. Booth, Illinois, Waveland Press, 1990. • UXL Encyclopedia of Landforms and Other Geologic Features, Rob Nagel, 2004. • Living in the Landscape, Exrtraordinary rural homes in australia and New Zealand, Anna Johnson & Richard Black, Thames & Hudson, 2016.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	0	0.00	0.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
Total Work Load			110.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	3	0	0	0	0	0	0	0	4	0	5	0	0	0	0
ÖK5	0	0	0	5	0	0	0	0	0	0	0	0	0	4	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							