

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
ENVIRONMENTAL SYSTEMS	KTP2169010	Fall Semester	2+0	2	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Mustafa ERDEM				
<b>Name of Lecturer(s)</b>	Lect.Dr. Ahmet Cemil TEPE				
<b>Assistant(s)</b>					
<b>Aim</b>	Identification and introduction of environmental systems to understand increasing environmental destruction in the industrialized world.				
<b>Course Content</b>	This course contains; Introduction to the course: Identification and introduction of environmental systems to understand increasing environmental destruction in the industrialized world.,Environmental problems: Air pollution, Water pollution, Soil pollution, Radioactive pollution, Noise pollution, Erosion.,Urban drinking water management: management of water resources, control and disposal of pollutants.,Urban wastewater management: planning of sewerage systems, recovery and reuse of wastewater, rainwater drainage systems and leachate management.,Infrastructure and superstructure applications and problems from past to nowadays.,Global warming: Climate-linked urban design methods.,Urban resilience and management of current environmental issues such as climate change, biodiversity and resilience to natural disasters in cities,New approaches in environmental protection and regulation.,Environmental law approaches.,Environmental policy approaches.,Environmental economics approaches.,Environmental planning, Environmental health.,Energy, Energy environment relation, Renewable energy sources.,Our common future; sustainable development, the principles about the continuity of the earth..				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
3-Evaluating the development trends of environmental systems for the future.			10	A, E	
2-Understanding the environmental systems in developed and developing countries.			10	A, E	
1-Understanding complex and dynamic environmental systems.			10	A, E	
4-Use the knowledge about environmental law and policy.					
5-Perceives and analyzes the technical, legal and theoretical framework about environmental protection.					
<b>Teaching Methods</b>	10: Discussion Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, E: Homework				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to the course: Identification and introduction of environmental systems to understand increasing environmental destruction in the industrialized world.				
2	Environmental problems: Air pollution, Water pollution, Soil pollution, Radioactive pollution, Noise pollution, Erosion.				
3	Urban drinking water management: management of water resources, control and disposal of pollutants.				
4	Urban wastewater management: planning of sewerage systems, recovery and reuse of wastewater, rainwater drainage systems and leachate management.				
5	Infrastructure and superstructure applications and problems from past to nowadays.				
6	Global warming: Climate-linked urban design methods.				
7	Urban resilience and management of current environmental issues such as climate change, biodiversity and resilience to natural disasters in cities				
8	New approaches in environmental protection and regulation.				
9	Environmental law approaches.				
10	Environmental policy approaches.				
11	Environmental economics approaches.				
12	Environmental planning, Environmental health.				
13	Energy, Energy environment relation, Renewable energy sources.				
14	Our common future; sustainable development, the principles about the continuity of the earth.				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

<b>Resources</b>
Resources: 1) Kocataş, A. (2014) Ekoloji, Dora Yayınevi. 2) Akman, Y. (2012) Çevre Kirliliği, Palme Kitabevi. 3) Aydoğdu, M., Gezer, K. (2006) Çevre Bilimi, Anı Kitabevi.