

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ECOLOGY, ENVIRONMENT and TECHNOLOGY	KTP1257980	Spring Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Mustafa ERDEM				
Name of Lecturer(s)	Assist.Prof. Mustafa ERDEM				
Assistant(s)					
Aim	The main objective of the course is to examine the ecology, environment and ecosystem concepts and the complex relationships between these concepts in detail.				
Course Content	This course contains; To inform about the purpose, definition and scope of the course in general,Living Creatures and Environment - The formation of the world, the formation of the atmosphere, the beginning of life.,Introduction to Ecology - Abiotic environment, Substance cycles.,Introduction to Ecology - Concept of living environment and ecosystem, Nutrient / energy flow in ecosystems.,Sources of the Earth 1 - Material sources, Energy and sources.,Sources of the Earth 2 - Material sources, Energy and sources.,Human as an Ecological Factor.,Environment and Technology,Environmental Pollution and Precautions 1.,Environmental Pollution and Precautions 2.,Environmental Protection Policies and Implementation Tools.,Environmental Protection Policies in the European Union and the United States.,Environmental Protection Policies in Turkey. .				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			10, 9	A	
			13, 3, 9	A	
			13, 14, 20	F	
			10, 13, 9	A	
Teaching Methods	10: Discussion Method, 13: Case Study Method, 14: Self Study Method, 20: Reverse Brainstorming Technique, 3: Problem Baded Learning Model, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, F: Project Task				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	To inform about the purpose, definition and scope of the course in general				
2	Living Creatures and Environment - The formation of the world, the formation of the atmosphere, the beginning of life.				
3	Introduction to Ecology - Abiotic environment, Substance cycles.				
4	Introduction to Ecology - Concept of living environment and ecosystem, Nutrient / energy flow in ecosystems.				
5	Sources of the Earth 1 - Material sources, Energy and sources.				
6	Sources of the Earth 2 - Material sources, Energy and sources.				
7					
8	Human as an Ecological Factor.				
9	Environment and Technology.				
10	Environmental Pollution and Precautions 1.				
11	Environmental Pollution and Precautions 2.				
12	Environmental Protection Policies and Implementation Tools.				
13	Environmental Protection Policies in the European Union and the United States.				
14	Environmental Protection Policies in Turkey.				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources	
PowerPoint lecture notes, lecture related academic papers.WRİSTON, Walter B., Ulusal Egemenliğin Sonu, Teknoloji Devrimi Nasıl Bir Yeni Dünya Düzeni Yaratıyor?, çev. Mehmet Harmancı, Cep Kitaplar ı, İstanbul, 1994, 1. Baskı.	
KELEŞ, Ruşen, Can HAMAMCI, Çevrebilim, İmge Kitabevi, Ankara, Ekim 1998, 3. Baskı.	
GÖRMEZ, Kemal, Çevre Sorunları ve Türkiye, Gazi Kitabevi, Ankara, Mart 2003, 3. Baskı.	
YILDIZ, Kazım, Şengün SİPAHİ OĞLU, Mehmet YILMAZ, Çevre Bilimi, Gündüz Eğitim ve Yayıncılık, Ankara, 2005, 2. Baskı.	