



Bursa Technical University

Ortak Dersler Bölümü

SEC951 Environmental Problems					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	SEC951	Environmental Problems	2	3	3

Language of Instruction:

Turkish

Course Level:

Faculty

Work Placement(s):

No

Department / Program:

Ortak Dersler Bölümü

Course Type:

Zorunlu Seçmeli

Goals:

In the scope of this course, the aim is to clear the basic concepts of environment and environmental issues; perception of basic environmental issues and global and country wide reasons; set essential steps to do in order to solve these problems.

Teaching Methods and Techniques:

Environmental pollution; Water Pollution Sources and Control; Solid and Hazardous Waste Sources and Control; Soil Pollution and Control; Air Pollution Sources and Control; Sources and Control of Noise Pollution; Global Warming and Climate Change, etc.

Prerequisites:

Course Coordinator:

Instructors:

Asst. Prof. Dr. Saadet HACISALİHOĞLU

Assistants:

Recommended Sources

Textbook	:	
Resources	:	Türkiye nin Çevre Sorunları 2003, Türkiye Çevre Vakfı Yayını No: 163, Ankara. ,GÜNEY, E., (2004), Çevre Sorunları, Nobel Yayın Dağıtım, Ankara. ,ÇE
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	: 20	Education	:
Engineering	: 20	Science	: 20
Engineering Design	:	Health	:
Social Sciences	:	Field	: 40

Course Content

Week	Topics	Study Materials	Materials
1	Basic concepts of environment, Ecological cycles, Definition, scope and types of environmental problems; reasons (development process) and an overview of the results		
2	Water pollution, causes, consequences, precautions		
3	Air pollution, causes, results, examples and precautions		
4	Soil pollution, causes, consequences and precautions		
5	Solid and hazardous waste problems		
6	Radioactivity and radioactive contamination, nuclear power plants		
7	Midterm exam		
8	Global warming, climate change, acid rain, greenhouse gases		
9	Noise and light pollution, image pollution		
10	Food pollution, Destruction of the species		
11	False Usage of Land; Destruction of the Natural Flora; Reduction of Forests, Erosion, Desertification		
12	Ozone depletion (factors, results and prevention)		
13	Upsurge in Population and Environmental issues as a Consequence, Environmental Problems that Urbanization cause, Environmental conscious and Environmental Protectiveness, Environmental Effect Evaluation, Ecological Agriculture, Sustainable development, etc.		
14	General repetition		

Course Learning Outcomes

No	Learning Outcomes
C01	Gains universal perspective by considering environmental issues in the World and in Turkey, their reasons and regional distributions
C02	Gets some knowledge on environment-natural resources, the relation between usage of natural resources and environmental problems
C03	Understands the importance of environmental conscious and learns how to train environmentally conscious individuals
C04	Learns how to solve environmental issues

Program Learning Outcomes

No	Learning Outcome
P01	Preparing students for social life

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%50
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%50
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	1	10	10
Presentation	0	0	0
Mid-terms	1	8	8
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	10	10
Study period for final exams	1	10	10
Study period for mid-term exams	1	10	10
Total Work Load			90
ECTS Credit of the Course			3

Course Contribution To Program	
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant	

	P01
All	4
C01	4
C02	4
C03	4
C04	4