

BALIKESIR UNIVERSITY
ENGINEERING FACULTY
UNIVERSITY ELECTIVE COURSE PROPOSAL FORM

Department/Program	Environmental Engineering/Environmental Sciences					
Course Unit Title	Environmental Problems and Ecological Destruction					
Semester	Fall ☐			Spring ☐		
Language of Instruction	Turkish ☐			English ☐		
Credit	Theoretical 2		Application 0		Total Credits 2	
Number of ECTS Credits	3					
Course Learning Type	University Elective			Formal Education		
Objectives of the Course	A wide variety of environmental problems such as climate change caused by increased greenhouse gases due to industrialization and rapid population growth, the pollution of the soil and water and the rapid disappearance of biological wealth as a result, rapidly increasing amount of solid waste, noise problem have reached such dimensions that they cannot be ignored. Considering that the main reason for these problems is the irreversible consumption of natural resources by people and the failures in taking the necessary precautions, this course aims to increase the awareness of students about environmental problems in the fight against environmental problems.					
Course Content	The course includes information about Water, Soil, Air, Noise Pollution and Solid Wastes, which are the leading environmental problems. It raises awareness by addressing the issues of global warming and climate change, ecological destruction, which occur due to these environmental problems. Students are provided with information on environmental law and environmental rights.					
Prerequisites	No prerequisites					
Name of Lecturer	Res. Asst. Dr. Simge SERTKAYA KÖYBAŞI			mail : sertkayasimge@gmail.com		
Assistants	-			mail :-		
Internship	-					
Resources	Peirce, J. J., Vesilind, P. A., & Weiner, R. (1998). Environmental pollution and control. Butterworth-Heinemann. Class Notes					
Type of Course Unit	Science					
Planned Learning Activities and Teaching Methods	Theoretical lecture, Midterm exam, Final exam					
Assessment methods and criteria			ECTS allocated based on student workload			
In-term Studies	Quantity	Percentage (%)	Activities	Quantity	Duration	Total workload (Hours)
Midterms	1	40	Course Duration	14	2	28
Quizzes			Off the class study hours	0	2	0
Assignment			Midterms	1	2	2
Attendance			Final exams	1	2	2
Practice			Total workload (hours): 32			

Project			Number of ECTS Credits: 3	
Final Exam	1	60		
Learning outcomes		Information about Water, Soil, Air, Noise pollution and solid wastes, which are the leading environmental problems, is obtained. Awareness is increased by addressing the issues of global warming and climate change, ecological destruction, which occur due to these environmental problems. Students are provided with knowledge about environmental law and environmental rights.		
Weekly Detailed Course Contents				
Week	Topic		Prerequisites	Resources
1	Introduction			
2	Basic concepts			
3	Water pollution			
4	Soil pollution			
5	Air pollution			
6	Noise pollution			
7	Midterm week			
8	Exam evaluation			
9	Global warming and climate change			
10	Solid wastes			
11	Ecological destruction			
12	Environmental law and environmental rights			
13	General evaluation			
14	Final exam			
Contribution of the Course to Program Outcomes				