



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environmental Pollution and Environmental Impact Assessment							
Course Code		LBT216		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		This course aims to understand the relationship between environmental pollution and population use and resource use; Understand that environmental pollution is an ecological problem; Knowledge of conservation of soil fertility, salinization, control and management of harmful wastes, evaluation of the effects of water resources and pollution, and explaining the effects of soil pollution on agricultural practices and living things.							
Course Content		Water resources and water pollution, groundwater and pollution, water scarcity, excess water, management of water resources; Wastewater applications, agriculture and soil pollution; Conservation of soil fertility; Salting; Biological control against pesticides; Pollution of river ocean and coastal areas; Climate, global warming and ozone depletion							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Erdem Ü. "Çevre Bilimi, Sürdürülebilir Dünya" (Ed.), Ege Üniversitesi Çevre sorunları Araştırma Merkezi yayınları, No 1 (1999)
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Week	Weekly Detailed Course Contents	
1	Theoretical	Population resources and pollution
2	Theoretical	Environmental degradation and pollution
3	Theoretical	What are ecosystems? How do they work?
4	Theoretical	Major ecosystems and problems (terrestrial and aquatic systems susceptibility to pollution)
5	Theoretical	Major ecosystems and their problems (Environmental stress reactions and indicator creatures of living systems)
6	Theoretical	Climate and global warming
7	Theoretical	Ozone layer and reduction
8	Theoretical	Water resources and water pollution (water resource allocation, renovation and use) (Midterm Exam)
9	Theoretical	Water resources and water pollution (Basic types of pollution of water resources, pollution control)
10	Theoretical	Soil sources and hazardous wastes (Soil structure and properties, erosion and control)
11	Theoretical	Soil sources and hazardous wastes (Soil pollution protection, salting, control and management of hazardous wastes)
12	Theoretical	Protection of food resources (pesticides, pollution and alternative methods)
13	Theoretical	Current status
14	Theoretical	General evaluation

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Establishment of links between environmental pollution, population and resource use
2	Understanding that pollution is an ecological problem
3	Evaluate the effects of water resources and pollution
4	To understand the effects of soil pollution on agricultural practices and living things
5	Learning major ecosystems and problems

Programme Outcomes (Laboratory Technology)

1	To be able to comprehend social, cultural and social responsibilities, to be able to follow national and international contemporary problems and developments
2	Atatürk is bound to Atatürk nationalism in the direction of principles and reforms; Adopting the national, moral, spiritual and cultural values of the Turkish people, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; Have a love of language and a consciousness; To have the ability to use as much of a foreign language as he would need to read, taste and habit and professionally.
3	To be able to recognize the basic hardware units and operating systems of a computer, having information about internet usage and preparing documents, spreadsheets and presentations on computer by using office programs.
4	Acquires theoretical and practical knowledge at the basic level in mathematics, science and vocational field.
5	With the knowledge of laboratory technology in the field, he knows and analyzes problems, brings interpretation of data and suggests solutions.
6	In laboratories, according to the prepared business plan and program, necessary work can be done to obtain the desired quality products.
7	To have professional and ethical responsibility in business life.
8	Development and change are open, follow scientific social and cultural innovations, and develop themselves constantly.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4
P1	5	5	5	5
P4	4	4	4	4
P5	4	4	4	4
P7	4	4	4	4
P8	4	4	4	4

