AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Environment and Human Health								
Course Code	KZM112		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	48 *(Hours)*	Theory	1	Practice	1	Laboratory	0
Objectives of the Course	The aim of this course help the students learn causes of environmental pollution, discharge criteria, assessment of environmental pollution, disposal methods and compliance with environmental legislation in Turkey and Europe.								
Course Content	Water, air, soil pollution and control, wastewater treatment, domestic - industrial wastes, hazardous solid wastes, atmospheric transport of heavy metals, effects of all pollution on human health, legislation on environmental pollution control								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Güler, Ç., Çobanoglu, Z., (1994). Çevre kirliliği ve insan vücudu. T.C. Sağlık Bakanlığı yayınları. Çevre Sağlığı Temel Kaynak dizisi no:3
2	Holgate, S.T., Koren, H.S., Samet, J.M., Maynard, R.L. (Eds.). (1999). Air pollution and health. Elsevier.
3	Rodricks, J. V. (2006). Calculated risks: The toxicity and human health risks of chemicals in our environment. Cambridge University Press
4	Robinson, W. D. (1986). The solid waste handbook: a practical guide
5	Harrison, R. M. (2001). Pollution: causes, effects and control (No. Ed. 4). Royal Society of Chemistry.

Week	Weekly Detailed Course Contents	
1	Theoretical	Environmental pollution, sources and types,
2	Theoretical	Water pollution and pollution of water environments, classification of water pollutants
3	Theoretical & Practice	Waste water treatment and applied techniques
4	Theoretical & Practice	Soil pollution, prevention and control
5	Theoretical & Practice	Domestic solid waste and control
6	Theoretical & Practice	Industrial solid waste and control
7	Theoretical	Hazardous solid wastes and their control
8	Intermediate Exam	midterm
9	Theoretical & Practice	Sources and control of constant air pollution
10	Theoretical & Practice	Sources and control of moving air pollution
11	Theoretical	Atmospheric transport of heavy metals and other pollutants
12	Theoretical & Practice	Noise pollution, types and prevention approach
13	Theoretical & Practice	Effects of all pollution on human health
14	Theoretical	Environmental pollution control legislation and compliance with the European Union
15	Theoretical	An overview
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	0	1	14
Midterm Examination	1	2	1	3

Final Examination	1	2	1	3
			Total Workload (Hours)	48
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have detailed information about different pollution factors
2	To classify pollution factors
3	To have detailed information about the effects of pollution factors on human health
4	To have knowledge about prevention of pollution factors
5	To have information about pollution control legislation

Programme Outcomes *(Call Center Services)*	
1	Ability to use information and communication technology tools and other professional tools and techniques
2	Ability to plan and implement professional processes
3	Foreign language communication skills
4	Professional confidence
5	Entrepreneurship Skills
6	Ability to use theoretical domain knowledge in practice
7	Ability to manage a process to meet requirements
8	Work skills in teams, including interdisciplinary
9	Ability to identify and solve problems in professional practice
10	Professional ethics and accountability

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

	L1	L2	L3	L4	L5
P1	3	3	3	3	3
P2	3	3	3	3	3
P3	3	3	3	3	3
P4	3	3	3	3	3
P5	3	3	3	3	3
P6	3	3	3	3	3
P7	3	3	3	3	3
P8	3	3	3	3	3
P9	3	3	3	3	3
P10	3	3	3	3	3