



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environment and Human Health							
Course Code		KZM112		Course 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., Çobanoğlu, 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 (Cosmetic Technology)

1	To define and classify cosmetics.
2	To learn the classification of cosmetic raw materials, purposes, products to use and what properties should be carried.
3	To describe and classify toxicity, to learn toxic substances and analyze methods.
4	To learn laboratory safety, to apply safety precautions when working with dangerous chemicals.
5	To learn and apply necessary tests for cosmetic raw materials, intermediates and finished products.
6	To perform a scientific study, analyze study and report results of study scientifically.
7	To interpret experimental results, to evaluate data in point of cosmetic science.
8	To act in accordance with the principles of ethics, to have awareness of professional and ethical responsibility.
9	To be individuals who are committed to Atatürk's Principles and Revolutions, contemporary, democratic, secular, protecting and developing their country, protecting their nation, respecting human rights, protecting nature, non-discriminatory, adhering to their traditions and customs, and protecting their values.
10	To be an individual who has completed his personal development, can adapt to society and contribute positively

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

	L1	L2	L3	L4	L5
P10	5	5	5	5	5

