



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environment and Human Health							
Course Code		KMT105		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	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	Waste water treatment and applied techniques
4	Theoretical	Soil pollution, prevention and control
5	Theoretical	Domestic solid waste and control
6	Theoretical	Industrial solid waste and control
7	Theoretical	Hazardous solid wastes and their control
8	Intermediate Exam	midterm
9	Theoretical	Sources and control of constant air pollution
10	Theoretical	Sources and control of moving air pollution
11	Theoretical	Atmospheric transport of heavy metals and other pollutants
12	Theoretical	Noise pollution, types and prevention approach
13	Theoretical	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	0	2	28
Individual Work	6	0	1	6
Midterm Examination	1	6	1	7



Final Examination	1	8	1	9
Total Workload (Hours)				50
[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 know the classification of cosmetic raw materials, for what purpose, in which products and how much they should be used
2	Define and classify cosmetics,
3	To define, classify toxicity, Toxic substances and detoxification ways of these substances to know. To be able to analyze toxic substances.
4	To be aware of the precautions to be taken when working with hazardous chemicals in terms of laboratory safety and human health.
5	To have the ability to use basic mathematical methods to produce solutions.
6	To be able to define the carrier systems used in cosmetics, to be able to choose the carrier system to be used according to the cosmetic product.
7	To know and apply the necessary tests in cosmetic raw materials, intermediate products and finished products.
8	Depending on the Atatürk nationalism in accordance with Atatürk's principles and reforms, adopted the national, moral, spiritual and cultural values of the Turkish Nation, and has adopted that the Turkish language is a rich, rooted and productive language; have love and awareness of language; to have the ability to use the foreign language sufficiently to have the pleasure and habit of reading and need professionally.

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	4	5
P3		3		3	4
P4	3	3	3	3	3
P5	3	3	3	2	3
P6				2	3
P7	2	4	3	2	4

