



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environmental Toxicology and Measures to Be Taken							
Course Code		CSAG639		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To provide information about the source of environmental pollutants, effects on living organisms and ecosystems, residues, prevention and control of residues							
Course Content		Concepts such as environmental and food pollution, elements and functions of ecosystems, natural balance and food chain, industrial toxicology, pesticide toxicology							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Gupta R.C., Veterinary toxicology Basic and Clinical Principles, Elseiver, USA, 2007
2	Ecosystems and Human Health, Toxicology and Environmental Hazards PHILP, R.B., USA , 2001.
3	Deshpande S S., Handbook of Food Toxicology. Marcel Dekker, Inc. NY, 2002.

Week	Weekly Detailed Course Contents	
1	Theoretical	Concepts related to environmental pollution
2	Theoretical	Causes of pollution
3	Theoretical	Natural balance and food chain
4	Theoretical	Water pollution and prevention
5	Theoretical	Air pollution and prevention
6	Theoretical	Soil pollution and prevention
7	Theoretical	Pollutants in human and animal systems
8	Intermediate Exam	Midterm
9	Theoretical	Food pollution
10	Theoretical	Industrial toxicology
11	Theoretical	Cumulative drugs
12	Theoretical	Types of pesticides
13	Theoretical	Pesticide pollution and prevention
14	Theoretical	General evaluation
15	Final Exam	final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	30	2	32
Final Examination	1	38	2	40
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to have up-to-date theoretical and practical knowledge at the level of expertise in environmental health
2	Having knowledge about the techniques, techniques, and devices of the technology to treat, care and educate



3	Being able to take active role in environmental health organization and management
4	To be able to solve environmental health problems with scientific methods and to evaluate them with a critical approach
5	Obtaining theoretical and practical knowledge on environmental ethics, policy and planning, information systems, professional foreign languages, finance and intermediary institutions
6	Ability to produce, execute and finalize new projects for scientific research
7	To be able to interpret researches using appropriate statistical methods, to write a report of the research they have participated in, to publish it in a national / international accepted journal, to present it at scientific meetings
8	Having theoretical and practical knowledge about environmental health, historical development and economic dimension of environmental health
9	Being able to have theoretical and practical knowledge about the deterioration effects of the environment
10	Being able to have the knowledge and ability to apply in strategic management, marketing, performance management, quality management and human resources management in organizations providing services in the field of environmental health

Programme Outcomes (Environmental Health Interdisciplinary Doctorate)

1	Equipped with advanced knowledge and skills related to research methods, data analysis and interpretation of research results in the development and application of environmental health theories;
2	who can take part in professional arrangements; contributes to the development of health related institutions;
3	Knows, interprets and comments on national and international environmental health legislation,
4	Organizasyon Assuming an effective role in environmental health organization and management,
5	To Equipped with the knowledge and skills necessary for the effectiveness of environmental health practices in the future;

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

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
P1	2	5	3	2	1	4	2	2	4	5
P2	1	5	3	2	1	4	2	2	4	4
P3	1	4	3	2	1	4	2	2	4	4
P4	4	4	3	2	1	4	2	2	4	5
P5	4	4	3	2	1	4	2	2	4	2

