AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Enviromental Toxicology						
Course Code		VFT543		Couse Level		Second Cycle (Master's Degree)		
ECTS Credit	2	Workload	45 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		To teach the theory of approaches to environmental protection, ecology, environmental pollutants and environmental procedures laws.						
Course Content		Air, soul, water and food pollutants, industry originated pollutant compounds are examined						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion, Case Study, 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	Newman MC- Ecotoxicology: a comprehensive treatment. CRC Press
2	Hughes WW- Essentials of environmental toxicology: The Effects of Environmentally Hazardous Substances on Human Health.
3	Yu MH- Environmental toxicology: biological and health effects of pollutants. CRC Press

Week	Weekly Detailed Course Contents	
1	Theoretical	Ecology, ecological relations and scope of ecology
2	Theoretical	Ecosystems, food chain and role of ecosystem
3	Theoretical	Role of ecosystem: substance loop
4	Theoretical	Role of ecosystem: community ecology
5	Theoretical	Environmental toxicology and environmental pollution
6	Theoretical	Importance of air pollution
7	Intermediate Exam	Midterm exam
8	Theoretical	Importance of water system pollution
9	Theoretical	Importance of ground pollution
10	Theoretical	Importance of water and ground pollution concerning ecology
11	Theoretical	Pollutants of water and ground: pesticides
12	Theoretical	New approaches to protect the environment
13	Theoretical	Environmental law in Turkey
14	Theoretical	Food contamination
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Assignment	3	2	1	9
Midterm Examination	1	2	1	3
Final Examination	1	4	1	5
			Total Workload (Hours)	45
			[Total Workload (Hours) / 25*] = **ECTS**	2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To learn the responsibilities of medicine concerning environmental issues.
2	To learn the environmental problems and solutions
3	To learn the professional contributions to environmental health
4	To learn the environmental policy and laws
5	To learn knowledge and propose suggestions on the area

Programme Outcomes *(Veterinary Pharmacology and Toxicology Master)*

1	to be able to comprehend expert knowledge on field of pharmacology and toxicology in veterinary medicine
2	to be able to define expert knowledge on interdisciplinary interaction in pharmacology and toxicology
3	to be able to formulate ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education
4	to be able to integrate and interpret information in the area of pharmacology and toxicology with information in different fields and, if the need arises, provides scientific information and solutions to solve problems.
5	to be able to develop and use strategies in his/her field of expertise in Master's Program of Pharmacology and Toxicology
6	to be able to comprehend methods of obtained and submitted scientific knowledge
7	to be able to analyse current information related to his/her field of expertise (scientific information, procedures etc.) and use them when necessary.
8	to be able to apply technological tools in social relationships of vocational and professional environment.
9	to be able to review, evaluate and interpret any data (field observations, available scientific information etc.) towards a specific purpose.
10	to be able to comprehend expert knowledge on the function and basic pharmacological features of pharmacology and sub-branches of science, relationship between the drug and poison, pharmacokinetic, effects of the drugs, the dose-intensity and dose-effect relationship.
11	to be able to identify expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.
12	to be able to define and use laboratory equipment in a pharmacology and toxicology laboratory.

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	5	5	5	5	
P2				3	
P3		4			5
P4		4	4		4
P7		4	5	4	
P9					5