AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Diagnosis and Treatment of Poisoning					
Course Code		VFT681		Couse Level	Third Cycle (Doctorate Degree)		
ECTS Credit	4	Workload	100 (Hours)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		To be informed about the diagnosis and treatment of poisoning.					
Course Content		Toxicity of various substances of clinical and pathological findings with the diagnosis of poisoning, poisons absorbed in treatment and prevention of laboratory analysis, the use of antidotes in treatment, and supportive treatment for symptoms are examined.					
Work Placement		N/A					
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Experiment, 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	Principles and Methods of Toxicology, A. Wallace HAYES, Edward BROTHERS; Ann Arbor Press, 2001.
2	Modern Toxicology, Ernest HODGSON, Patricia E. LEVI; Elsevier, London, 1987.
3	Handbook of Experimental Pharmacology – 199; Comparative and Veterinary Pharmacology, Fiona CUNNINGHAM, Jonathan ELLIOTT, Peter LEES (Editors); Springer Press, 2009.

Week	Weekly Detailed Course Contents	
1	Theoretical	Poisoning is the input
	Practice	Diagnosis of poisoning
2	Theoretical	Causes of poisonings
	Practice	Diagnosis of poisoning
3	Theoretical	Diagnosis of poisoning
	Practice	Diagnosis of poisoning
4	Theoretical	Laboratory analysis of poisoning
	Practice	Diagnosis of poisoning
5	Theoretical	Laboratory analysis of poisoning
	Practice	Methods of laboratory analysis of poisoning
6	Theoretical	Evaluate the results of laboratory analysis of poisoning
	Practice	Methods of laboratory analysis of poisoning
7	Theoretical	Article discussion
	Practice	Methods of laboratory analysis of poisoning
8	Practice	Methods of laboratory analysis of poisoning
	Intermediate Exam	Midterm exam
9	Theoretical	General treatment principles of poisoning
	Practice	Implementation of poisoning antidotes
10	Theoretical	General treatment principles of poisoning
	Practice	Acidifying the use of systemic poisoning
11	Theoretical	Poisoning the use of specific antidotes
	Practice	Acidifying the use of systemic poisoning
12	Theoretical	Alkalinising systemic poisoning and acidifiers
	Practice	Listing of drugs which must be in poisoning
13	Theoretical	Poisoning other treatment options
	Practice	Implementation of prevention methods poisonings
14	Theoretical	Discussion (to be included in your hand to the treatment drugs poisoning)

14	Practice	Implementation of prevention methods poisonings	
15	Theoretical	Article discussion	
	Practice	Paper presentation	
16	Final Exam	Final	

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	1	42
Lecture - Practice	15	1	2	45
Midterm Examination	1	4	1	5
Final Examination	1	7	1	8
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = **ECTS**				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To obtain information about the diagnosis of intoxication, intoxication to evaluate the clinical and pathologic findings and laboratory analysis.
2	Learn about prevent absorption of toxins, the use of antidotes, and supportive of the treatment for symptoms of the poison.
3	To learn knowledge and propose suggestions on the area
4	To find out and use resources about the profession in the area
5	To give lectures and/or presentations and discuss with professionals in the area.

Programme Outcomes *(Pharmacology and Toxicology (Veterinary Medicine) Doctorate)*

1	Gains expert knowledge on field of pharmacology and toxicology in veterinary medicine and, gains expert knowledge on interdisciplinary interaction in pharmacology and toxicology
2	To be equipped with the knowledge to develop original ideas about necessary issues in the field by using of both graduate and expertise levels knowledge, to be able to develop original definitions, products and diagnostic procedures, etc. via deepening and questioning these knowledge.
3	Develops and uses strategies in his/her field of expertise in PhD Program of Pharmacology and Toxicology
4	Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose.
5	Gains 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.
6	Gains expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.
7	Can offer training to technical staff who will work in pharmacology and toxicology laboratory
8	Reach to competence to prepare courses at the undergraduate level
9	Determines and uses laboratory equipment and consumables in a pharmacology and toxicology laboratory.
10	To be able to plan an interdisciplinary project and build team for the known or new defined problems and to manage and complete such a project when necessary.
11	To share his/her knowledge in the field with others by attending at field-related or other congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions, etc., and to contribute to the solution in the team by establishing relations with the experts in different fields.
12	To contribute the scientific knowledge in the field via publications in national and international peer-reviewed scientific journals.
13	Takes roles in vocational organizations and institution.
14	Forms ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education.
15	To adopt lifelong learning as a principle and acknowledge that the information gained through research is the most valuable gain.
16	Knows and protects rights of ideas and industrial property (patent right)

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	4	4			
P2	5	3		5	
P3	3	3	5	5	
P4	4	4	5		

P5		5			
P6		5			
P7		4			
P8		4			5
P9		4			
P10	5	5			
P11			4		4
P12				5	
P13	4	4			
P14			4		4