AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Euthanasia and Rodenticides								
Course Code	VFT663		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	2	Workload	49 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To teach euthanasia aHayvanların yakalanması ve insancıl yollarla öldürülmesi amacıyla kullanılan ilaçlar ile rat zehirleri ve bunların kullanımı hakkında bilgi sahibi olunması.nd the drugs used for euthanasia, rodenticides and use of these drugs.								
Course Content	Definition of euthanasia, the specification of euthanatizing agents, agents that can be used in euthanasia, application of euthanatizing agents and rat poisons subjects 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	30
Final Examination	1	70

Recommended or Required Reading	
1	Hayes, WA (2007) Prenciples and Methods of Toxicology, 5th Edition, Taylor and Francis, London.
2	Klaassen, C. (2008) Casarett & Doull's Toxicology: The Basic Science of Poisons, 7th Edition, McGraw-Hill Companies, USA.
3	Klaassen, C. (2008) Casarett & Doull's Toxicology: The Basic Science of Poisons, 7th Edition, McGraw-Hill Companies, USA.
4	Hodgson, E (2010) A textbook of modern toxicology, 4 th Edition, John Wiley and Sons, Inc., Hoboken, Canada.

Week	Weekly Detailed Course Contents	
1	Theoretical	Iroductionnt to euthanasia
2	Theoretical	Substances used for capturing the animals.
3	Theoretical	Euthanatizing agents-I
4	Theoretical	Euthanatizing agents-II
5	Theoretical	The properties of euthanatizing agents
6	Theoretical	The mechanism of euthanatizing agents
7	Theoretical	(Midterm exam) Discussion
8	Theoretical	Rat poisons and their effects
9	Theoretical	The mechanism of rat poisons
10	Theoretical	Clinical practice of rat poisons
11	Theoretical	Rodenticides (alpha-chloralose)
12	Theoretical	Rodenticides (zinc phosphide)
13	Theoretical	Rodenticides (anticoagulants)
14	Theoretical	The other rat poisons
15	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	1	2	3
Final Examination	1	2	2	4
			Total Workload (Hours)	49
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To learn agent used for euthanasia
2	To learn euthanasia
3	To learn the effect, the mechanism and clinical practice of rat poisons
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	3	4	3		
P2				4	
P3	4	5	5	4	
P5	5	5	4		
P6	4	4	5		
P7	5				
P8					5
P11					5
P12				5	
P13	4	4	4		
P14					5