AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	European Union Regulation On Drugs Used For Animal Health						
Course Code	VFT672		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	To learn the usage of drugs in animal health and obligatory regulations of European Union.						
Course Content	There are several legal authorities in the world that regulates the drug processes in the world, in this context, usage of drugs in animal health and obligatory regulations of European Union are examined.						
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	Adams H.R. (1995). Veterinary Pharmacology and Therapeutics, Iowa University Press
2	Hayes, WA (2007) Principles and Methods of Toxicology, 5th Edition, Taylor and Francis, London.
3	Casarett & Doull's Toxicology - The Basic Science of Poison. McGraw-Hill Press

Week	Weekly Detailed Course Contents	
2	Theoretical	Pre-authorisation - post-authorisation
3	Theoretical	General guidance. Product information
4	Theoretical	Scientific advice and guidelines
5	Theoretical	Referral procedures. Maximum residue limits applicaitons
6	Theoretical	Pharmacovigilance
7	Intermediate Exam	Midterm exam
8	Theoretical	Inspections
9	Theoretical	Availability (minor uses / minor species)
10	Theoretical	Antimicrobial resistance
11	Theoretical	Product defects and recalls
12	Theoretical	Parallel distribution
13	Theoretical	Legislative issues
14	Theoretical	Fees
15	Theoretical	Generally assessment and their analysis
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	4	1	70
Midterm Examination	1	12	1	13
Final Examination	1	16	1	17
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To learn the legal issues on the drugs
2	To learn the process about drug authorisation
3	To examine an authority body on drugs

4	To learn knowledge and propose suggestions on the area
5	To find out and use resources about the profession 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	3	3		
P2	2	2	2		4
P3	4	4	4	5	4
P4	3	3	4	5	
P5	4	5	4		
P6	5	5	5		
P7	5	5	4		
P8	3	3	3		
P9	4	4	4		
P10	5	5	5		
P11	4	4	4	5	
P12	3	3	3		5
P13	3	3	3		
P14	3	3	3	5	
P15	4	4	4		
P16	4	4	4		