AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	European Union Regulation On Drugs Used For Animal Health								
Course Code	VFT553		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	52 *(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	www.ema.europa.eu
2	Kaya S. (2009).Veteriner Uygulamalı Farmakoloji. Alınmıştır: Kaya S, editor. Veteriner Farmakoloji. 5 ed. Ankara: Medisan Yayınevi.
3	Kaya S. (2008). Tıbbi Botanik ve Tıbbi Bitkiler, Medisan-2008
4	Adams H.R. (1995). VeterinaryPharmacologyandTherapeutics, Iowa UniversityPress
5	Hayes, WA (2007) PrinciplesandMethods of Toxicology, 5th Edition, Taylor and Francis, London.
6	Casarett&Doull'sToxicology - The Basic Science of Poison. McGraw-HillPress
7	Gupta, R.C. VeterınaryToxicology - Basic andClinicalPrinciples. AcademicPress

Week	Weekly Detailed Course Contents	
1	Theoretical	Regulation on drugs
2	Theoretical	Regulation on drugs
	Practice	Pre-authorisation - post-authorisation
3	Theoretical	Regulation on drugs
	Practice	General guidance. Product information
4	Theoretical	Regulation on drugs
	Practice	Scientificadviceandguidelines
5	Theoretical	Regulation on drugs
	Practice	Referralprocedures. Maximum residuelimitsapplicaitons
6	Theoretical	Regulation on drugs
	Practice	Pharmacovigilance
7	Practice	Midterm exam
	Intermediate Exam	Midterm exam
8	Theoretical	Regulation on drugs
	Practice	Inspections
9	Theoretical	Regulation on drugs
	Practice	Availability (minoruses / minorspecies)
10	Theoretical	Regulation on drugs
	Practice	Antimicrobialresistance
11	Theoretical	Regulation on drugs
	Practice	Product defectsandrecalls
12	Theoretical	Regulation on drugs
	Practice	Paralleldistribution
13	Theoretical	Regulation on drugs

13	Practice	Legislativeissues
14	Theoretical	Regulation on drugs
	Practice	Fees
15	Theoretical	Discussion
	Practice	Generallyassessmentandtheiranalysis
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	10	1	1	20
Term Project	2	1	1	4
Midterm Examination	10	1	1	20
Final Examination	1	7	1	8
			Total Workload (Hours)	52
			[Total Workload (Hours) / 25*] = **ECTS**	2

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Tolearnthe legal issues on thedrugs
2	Tolearntheprocessaboutdrugauthorisation
3	Toexamine an legal authority on drugs
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 *(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	3	3	3		
P2	2	2	2		
P3	4	4	4		4
P4	3	3	3		4
P5	4	4	4		5
P6	5	5	5	5	5
P7	5	5	5	5	
P8	3	3	3		5
P9	4	4	4	5	5
P10	5	5	5		

P11	4	4	4		
P12	3	3	3		