



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Rational Drug Use							
Course Code		VFT562		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Teaching the appropriate and correct drug choice in treatment and rational pharmacotherapy principles and having information about them.							
Course Content		Introduction to rational drug use and the principles of drug use, the role of the pharmacist in rational drug use, informing the drug delivery process, the patient owner, rational drug use in Turkey and the world, the consequences of unethical drug use, general principles of prescribing, the conscious and safe use of veterinary drugs assessments.							
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	Pharmacotherapy Handbook (Seventh edition), BG Wells, JT DiPiro, TL Schwinghammer, CV DiPiro. Mc Graw Hill, 2009.
2	Goodman & Gilman's The Pharmacological Basis of Therapeutics, Editörler: Hardman JG, Limbird LE, X.baskı, MCGraw-Hill, New York, 2001.
3	Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe).
4	Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.
5	Veteriner Hekimliğinde ilaç kullanımına pratik ve akılcı yaklaşım, Bünyamin TRAŞ, Enver YAZAR, Muammer ELMAS, KONYA-2007
6	Klinik Farmakolojinin Esasları ve Temel Düzenlemeler, Ed. Prof. Dr. S. Oğuz Kayaalp, Genişletilmiş 4. Baskı, Ankara, 2008

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to rational drug use
2	Theoretical	Basic principles for rational and conscious drug use
3	Theoretical	Drug supply process
4	Theoretical	Informing the patient's owner
5	Theoretical	The role of pharmacists in rational drug use
6	Theoretical	Rational drug use in Turkey and in the world
7	Intermediate Exam	Midterm exam
8	Theoretical	Prescription and prescription guidelines
9	Theoretical	The importance of drug use in animal production
10	Theoretical	Use of veterinary medicine and aquaculture products options
11	Theoretical	Assessment on the use of veterinary drugs conscious and safe
12	Theoretical	Non-rational drug use results
13	Theoretical	Proposal for solution for rational drug use
14	Theoretical	Licensing and quality control of veterinary drugs
15	Theoretical	Difficulties caused by unconscious and purposeful drug use

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Reading	1	5	3	8
Midterm Examination	1	6	1	7



Final Examination	1	6	1	7
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Have basic knowledge about safe and effective use of medicines.
2	The medicines are evaluated according to the benefit / loss ratio.
3	Distinguishes cases where drug groups with different pharmacological activity are not indicated for indication.
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	5	4	5		
P2	4	4	4		
P3	4	4	4		4
P4					4
P5					5
P6				5	5
P7	5	5	5	5	
P8					5
P9				5	5
P10	4	5	4		

