

## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Rational Drug Us	e						
Course Code	VFT693		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit 2	Workload 5	1 (Hours) Th	heory	2	Practice	0	Laboratory	0
Objectives of the Course Teaching the appropriate an and having information abo			correct dru them.	ug choice ir	n treatment and	d rational pha	armacotherapy pri	nciples
Course Content Introduction to rational drug drug delivery process, infor unreasonable drug use res drugs related evaluations.		tional drug us cess, informir ug use results aluations.	se and prin ng patient s, general p	nciples of dr owner, ratio principles o	rug use, the ro onal drug use i f prescribing, o	le of veterina n Turkey and conscious and	rian in rational dru I in the world, d safe use of vete	ug use, erinary
Work Placement N/A								
Planned Learning Activities and Teaching Methods		thods Ex Pr	xplanation roblem So	(Presentat Iving	ion), Discussio	on, Case Stud	dy, Individual Stud	dy,
Name of Lecturer(s) Prof. Selim SEKKIN								

### **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 & Gilmans 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 Cours	se Contents
1	Theoretical	Basic principles of rational and conscious drug use
2	Theoretical	Drug supply process and the role of pharmacist in drug use
3	Theoretical	Informing the patient's owner
4	Theoretical	Rational drug use in Turkey and in the world
5	Theoretical	Prescription and prescription guidelines
6	Theoretical	Pharmacovigilance definition, Tracking Forms
7	Intermediate Exam	Midterm exam
8	Theoretical	The importance of drug use in animal production
9	Theoretical	Use of veterinary medicine and aquaculture products options
10	Theoretical	Assessment on the use of veterinary drugs conscious and safe
11	Theoretical	Non-rational drug use results
12	Theoretical	Proposal for solution for rational drug use
13	Theoretical	Licensing and quality control of veterinary drugs
14	Theoretical	Difficulties caused by unconscious and purposeful drug use
15	Theoretical	Case study

# **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



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Final Examination	1		7	1	8		
			Т	otal Workload (Hours)	51		
			[Total Workload (	Hours) / 25*] = <b>ECTS</b>	2		
*25 hour workload is accepted as 1 ECTS							

Learning	Outcomes
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1	Learn basic information about rational and safe medicine use
2	Have basic knowledge about safe and effective use of medicines.
3	The medicines are evaluated according to the benefit / loss ratio.
4	Distinguishes cases where drug groups with different pharmacological activity are not indicated for indication.
5	To learn knowledge and propose suggestions on the area

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

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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
P2	4	4	4	4	
P3					5
P4					5
P5	4	4	4	4	
P8	5	5	5	5	
P9	4	5	4	5	
P10	4	5	4	5	
P11	5	5	5	5	5
P13	4	4	4	4	
P14	4	4	4	5	5

