



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Drugs of the Central Nervous System, II (General and Local Anesthetics)							
Course Code		VFT534		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To obtain information on periods of general anesthesia, volatile and gaseous anesthetics, solid anesthetic, dissociative anesthetics, local anesthetics, basic concepts and features.							
Course Content		Periods of general anesthesia, volatile and gaseous anesthetics, solid anesthetics, dissociative anesthetics, local anesthetics, basic concepts and properties are investigated							
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	Veteriner Farmakoloji, Cilt-I, Prof. Dr. Sezai KAYA, Prof. Dr. İbrahim PİRİNÇCİ, Prof. Dr. Ayhan ÜNSAL, Prof. Dr. Bünyamin TRAŞ, Prof. Dr. Ali BİLGİLİ, Prof. Dr. Ferda AKAR; Medisan Yayınevi, 2009.
2	Veteriner Farmakoloji, Cilt-II, Prof. Dr. Sezai KAYA, Prof. Dr. İbrahim PİRİNÇCİ, Prof. Dr. Ayhan ÜNSAL, Prof. Dr. Zafer KARAER, Prof. Dr. Bünyamin TRAŞ, Prof. Dr. Ali BİLGİLİ, Prof. Dr. Ferda AKAR; Medisan Yayınevi, 2009.
3	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Cilt-I, Prof. Dr. S. Oğuz KAYAALP (Editör); Pelikan Yayınevi, 2009.
4	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Cilt-II, Prof. Dr. S. Oğuz KAYAALP (Editör); Pelikan Yayınevi, 2009.
5	Farmakoloji; Prof. Dr. Melih ALTAN (Çeviri Editörü), Güneş Tıp Kitapevi, 2010.
6	Tedavinin Farmakolojik Temeli, Öner SÜZER; Nobel Tıp Kitapevi, 2009
7	Lippincott Farmakoloji, Prof. Dr. Filiz Onat, Doç. Dr. Zafer Gören, Doç. Dr. Atila Karaalp; Nobel Tıp Kitapevi, 2009.
8	Türk Vademecum, Veteriner İlaç Rehberi, Vet. Hekim. Recai KANDUR; Cansız Hayal Basımevi, 2008
9	Veteriner Hekimliğinde İlaç Kullanımına Pratik ve Akılcı Yaklaşım, Bünyamin TRAŞ, Enver YAZAR, Muammer ELMAS; Konya, 2007
10	Veterinary pharmacology and therapeutics edited by H. Richard Adams. Ames, Iowa State University Press 2001.
11	Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.
12	Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe)
13	Basic and Clinical Pharmacology, 9th Edition, McGraw-Hill, New York, 2004 (Ed. B. Katzung)

Week	Weekly Detailed Course Contents	
1	Theoretical	Anesthesia, purpose, and characteristics of anesthesia
2	Theoretical	Patterns and periods of general anesthesia general anesthetic effect
3	Theoretical	Gaseous anesthetics are volatile and their properties
4	Theoretical	Gaseous anesthetics are volatile and their properties
5	Theoretical	Anesthetics and properties of the solid
6	Theoretical	Anesthetics and properties of the solid
7	Theoretical	Article discussion
8	Intermediate Exam	Midterm exam
9	Theoretical	Dissociative anesthetics and features
10	Theoretical	Local anesthesia, basic forms and mechanisms of action
11	Theoretical	Properties of local anesthetics
12	Theoretical	Properties of local anesthetics
13	Theoretical	The other group anestezikler
14	Theoretical	First aid in anesthesia, anesthesia, according to the clinical picture
15	Theoretical	Article discussion



16	Final Exam	Final
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**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	1	4	2	6
Quiz	1	4	2	6
Midterm Examination	1	12	2	14
Final Examination	1	16	2	18
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Learn about periods of general anesthesia
2	Learn about volatile anesthetics as well as solid and gas anesthetics, and dissociative anesthetics
3	Learn about the local anesthetics, basic concepts and features
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** (*Veterinary Pharmacology and Toxicology Master's Without Thesis*)

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	4	4	4		
P3					5
P4	4	4	4		4
P5					5
P6				5	5
P7		3	3	4	
P8					4
P9				5	5
P10	5	5	5		
P11	5	5	5		

