AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Drugs of the Autonom Nervous System, I (Basic Principles, Sympatholythics and Sympathomimetics)								
Course Code	VFT524		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	144 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Providing general information about the autonomic nervous system drugs affecting.								
Course Content	Unintentional working which is one of the body's homeostatic balance of the OSS layouts are the primary anatomical and physiological information about the brief, NM-receptor concepts and the sympathomimetic and sympatholytic drugs is an important branch of OSS.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Lec. Hande Sultan ŞAHİNER, Prof. Ferda AKAR								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.
2	Modern Pharmacology, 6th Edition, Lippincott Williams and Wilkins, 2004 (Ed. C.R. Craig and R.E. Stitzel)
3	Basic and Clinical Pharmacology, 9th Edition, McGraw-Hill, New York, 2004 (Ed. B. Katzung)
4	Goodman and Gilman's The Pharmacological Basis of Therapeutics 11th Edition, McGraw-Hill, 2006 (Eds. Brunton, Lazo, Parker, Buxton and Blumenthal)
5	Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe)
6	The Veterinary Formulary edited by Yolande Bishop. London Pharmaceutical Press in association with the British Veterinary Association 2001.
7	Pharmacology. Franklin A. Ahrens. Baltimore, Md. London Williams & Wilkins 1996.
8	The physiological basis of veterinary clinical pharmacology J. Desmond Baggot. Oxford Blackwell Science 2001.

Week	Weekly Detailed Course Contents	
1	Theoretical	Anotamik and physiological information about autonomic nervous system
2	Theoretical	Mediator information about Nero intersections
3	Theoretical	Information about the sympathetic nervous system
4	Theoretical	Information on the parasympathetic nervous system
5	Theoretical	Information about ganglion
6	Theoretical	Information about the autonomic nervous system
7	Theoretical	Overall Assessment
8	Intermediate Exam	Midterm exam
9	Theoretical	Autonomic nervous system drugs
10	Theoretical	Sympathetic nervous system drugs
11	Theoretical	Evaluation
12	Theoretical	Parasympathomimetic drugs
13	Theoretical	Evaluation
14	Theoretical	Other drugs that affect the autonomic nervous system
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	4	2	90
Assignment	3	5	2	21

Quiz	1	6	1	7
Midterm Examination	1	10	2	12
Final Examination	1	12	2	14
			Total Workload (Hours)	144
			[Total Workload (Hours) / 25*] = **ECTS**	6
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To obtain information on the autonomic nervous system.
2	Sub-components of the autonomic nervous system
3	To obtain information on the autonomic nervous system 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 *(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 Toxicolog
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	5	5		
P2	4		4		
P3				5	
P4				4	
P5	4	5	4		
P6					5
P7					4
P8	4	5	4		
P9				5	5
P10			5		
P11		5	5		