AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Circulatory Shock and Treatment								
Course Code	VFT537		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	52 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	To teach shock types in animals and the drugs used in shock treatment								
Course Content	Etiology and types of circulatory shock, pathophysiology of shock and therapy of shock are examined								
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	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)

Week	Weekly Detailed Course Contents	
1	Theoretical	Shock and causes of shock
2	Theoretical	The shock types
3	Theoretical	Anaphylactic shock
4	Theoretical	Hypovolemic shock
5	Theoretical	Septic shock
6	Theoretical	Cardiogenic shock
7	Intermediate Exam	Midterm exam
8	Theoretical	Physiopathology of shock
9	Theoretical	Physiopathology of shock
10	Theoretical	The drugs used in treatment of shock (liquid-electrolite)
11	Theoretical	The drugs used in treatment of shock (sympathomimetics, glucocorticoids)
12	Theoretical	The drugs used in treatment of shock (antibiotics, antihistamines)
13	Theoretical	The drugs used in treatment of shock (cardiovascular drugs)
14	Theoretical	The drugs used in treatment of shock (the other drugs)
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Assignment	5	1	1	10
Midterm Examination	1	4	1	5

Final Examination	1	8	1	9
			Total Workload (Hours)	52
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To learn the shock and the shock types
2	Should learn physiopathology of shock
3	To learn the drugs used in shock treatment
4	To learn knowledge and propose suggestions on 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	4	4	5		
P3			5		5
P4		4			4
P5	5	5	5		5
P6				5	5
P7				4	
P8					4
P9				5	5
P10			4		