



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Drugs Affecting Blood and Blood Producing Organs							
Course Code		VFT639		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Blood and blood coagulation in shaping the physiological mechanism of drugs acting on the organs, blood clotting and stop bleeding with drugs that prevent local and systemic coagulant drugs, drugs that prevent the formation of thrombosis, fibrin resorption and effectively prevents the effects of drugs and with drugs in clinical use antianemic examined areas.							
Course Content		Blood and blood coagulation in shaping the physiological mechanism of drugs acting on the organs, blood clotting and stop bleeding with drugs that prevent local and systemic coagulant drugs, drugs that prevent the formation of thrombosis, fibrin resorption and effectively prevents the effects of drugs and with drugs in clinical use antianemic examined areas.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

Recommended or Required Reading

1	Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.
2	Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe)
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	Modern Pharmacology, 6th Edition, Lippincott Williams and Wilkins, 2004 (Ed. C.R. Craig and R.E. Stitzel)

Week	Weekly Detailed Course Contents	
1	Theoretical	Blood physiology
2	Theoretical	Bleeding and coagulating
3	Theoretical	Coagulation time criteria
4	Theoretical	Natural substances that prevent blood coagulating
5	Theoretical	The blood-related diseases
6	Theoretical	Medications that cause bleeding
7	Theoretical	Medications that cause bleeding
8	Theoretical	(Midterm exam) Discussion
9	Theoretical	Medications that cause bleeding
10	Theoretical	Drugs relieve the bleeding
11	Theoretical	Drugs relieve the bleeding
12	Theoretical	Drugs relieve the bleeding
13	Theoretical	Treatment of anemia
14	Theoretical	Substances that stimulate the production of blood
15	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	1	56
Assignment	2	7	1	16
Midterm Examination	1	12	1	13



Final Examination	1	14	1	15
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Learns to drugs acting on blood and organs
2	Patterns and the effects of these drugs affect the body.
3	Conceives of these drugs in clinical use.
4	To give lectures and/or presentations and discuss with professionals in the area.
5	Konusunda bilgi ve çözüm önerileri oluşturur.

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

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
P1	4	5	5		
P3			5		4
P4			4		4
P5			3		
P6			3		
P8				4	
P11				4	4
P14	4	4	5	5	4

