

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Laboratory Pra	actices - I						
Course Code	VFZ633		Couse Leve	el .	Third Cycle (D	octorate D	egree)	
ECTS Credit 6	Workload	150 <i>(Hours)</i>	Theory	0	Practice	4	Laboratory	0
Objectives of the Course	To make using	g appropriate	methods for	laboratory	research and cl	inical appli	cations.	
Course Content Preparation of the solutions used in assessment, sedimentation, erythrod								
Work Placement	N/A							
Planned Learning Activities and Teaching Methods			Explanation Study, Indiv	(Presenta idual Study	tion), Experime y, Problem Solv	nt, Demons ing	stration, Discussio	n, Case
Name of Lecturer(s)	Prof. Ferda Bl	ELGE						

Assessment Methods and Criteria			
Method	Quantity	Percentage	(%)
Midterm Examination	1	38	
Final Examination	1	60	
Quiz	6	1	
Term Assignment	1	1	

Recommended or Required Reading

1	1. Harvey J.W. (2001). Atlas of Veterinary Hematology. W.B. Saunders Company.
2	2. Sterling T. Bennett S.T., Lehman C.M., Rodgers G.M. (2007). Laboratory Hemostasis. A Practical Guide for Pathologists. Springer Science Business Media, LLC.
3	3. Weiss D.J., Wardrop J. (2010). Schalm's Veterinary Hematology. 6th Ed. Blackwell Publishing Ltd.
4	Martin M. (2007). Small Animal ECG's. An introductory guide. 2nd Ed. Blackwell Publishing Ltd.

Week	Weekly Detailed Co	Veekly Detailed Course Contents						
1	Practice	Blood withdrawing						
2	Practice	Diluting pipettes and solutions used in hematology						
3	Practice	The devices used in hematology						
4	Practice	Determination of hemoglobin and hematocrit						
5	Practice	Sedimentation and osmotic fragility						
6	Practice	Red blood cell indexes and anemia						
7	Practice	Blood groups						
8	Practice	Midterm						
9	Practice	Cross-comparison method						
10	Practice	Agglutination tests in the diagnosis of neonatal isoerythrolysis						
11	Practice	Bleeding and coagulation applications, determination of the clotting factors						
12	Practice	Several ECG devices						
13	Practice	ECG standardization						
14	Practice	ECG recording						
15	Practice	Interpretation of ECG						

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	2	4	84
Assignment	2	2	1	6
Term Project	1	14	1	15
Quiz	6	2	1	18
Midterm Examination	1	12	1	13



Courses	Information	- Course
Course		

Final Examination	1		13	1	14		
Total Workload (Hours) 150							
[Total Workload (Hours) / 25*] = ECTS 6							
*25 hour workload is accepted as 1 ECTS		*25 hour workload is accepted as 1 ECTS					

Loor	ina	Outco	m
Learr	ina	Outco	nes

Lean	Learning Outcomes								
1	1 To learn the general rules of conducting research in the laboratory								
2	To make the blood analyses								
3	To interpretation of the results of blood analysis								
4	Be able to record ECG								
5	Be able to interpretation of ECG								

Programme Outcomes (Physiology (Veterinary Medicine) Doctorate)

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1	Has a deep and broad knowledge about the field and the interdisciplinary area related with the field through the achievements gained in undergraduate and professional levels
2	Has the knowledge to create original ideas, analyze them and develop definition/product/diagnosis methods by using the knowledge gained in undergraduate and/or professional experience, when needed
3	Is knowledgeable about theories and practices in methodological and scientific research methods to run an independent research
4	Excels in the laboratory, clinical and similar fields by using the theoretical and practical information gained in former education, and has the ability to create solutions in related fields
5	Designs and develops scientific methodology for the advanced level/newly defined/emerged problems about the field
6	Excels in the known scientific methods in the field for the advanced level/ newly defined/emerged problems
7	Designs unique researches and implements independently
8	Analyzes, synthesizes and evaluates the new ideas in related fields by using critical thinking
9	Plans, creates teams and carries out the interdisciplinary research projects in order to create solutions to the known/newly defined problems
10	Joins to congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions in different disciplines, and exchanges information with the other professionals to contribute to the solutions
11	Broadens the borders of scientific information by publishing scientific articles in national and/or international peer-reviewed journals
12	Creates new ideas and methods to contribute to the technological, social and cultural progress, or to help the development of information society by using the theoretical, practical, independent research, abilities responsibly
13	Designs and implements social projects with the awareness of creating an information society
14	Compiles and interprets any type of data (field observation, scientific knowledge etc.) in accordance with the aims
15	Develops and uses strategies about related topics with the field
16	Implements and defends institutional and practical information and abilities in accordance with the needs of the country and the world, and changes when necessary
17	Follows up and uses all the updates about the field (scientific information, legislations etc.), and has the qualification to change them
18	Adopts lifelong learning as a principle and acknowledges that the information gained through research is the most valuable gain

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	3	3	3	3	3
P2	4	4	4	4	4
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	2	2	2	2	2
P8	3	3	3	3	3
P10	3	3	3	3	3
P11	4	4	4	4	4
P12	2	2	2	2	2
P13	3	3	3	3	3
P14	5	5	5	5	5
P15	5	5	5	4	5



P16	5	5	5	5	5
P17	5	5	5	5	5
P18		5	5	5	5