

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title A		Acute Phase Proteins								
Course Code		VBY537		Couse Level		1	Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	74 (Hours)	Theory		1	Practice	2	Laboratory	0
Objectives of the Course		Syntesis of acute phase proteins, determination of acute phase proteins, clinical use								
Course Content		Acute phase proteins								
Work Placement N/A		N/A								
Planned Learning Activities and Teaching Methods			Experir	nent,	Discussion	n, Individual S	tudy			
Name of Lecturer(s)		Prof. Pinar All	Prof. Pınar Alkım ULUTAŞ							

Assessment Methods and Criteria

Method	Qua	ntity	Percentage (%)
Final Examination	· · · ·	1	100	

Recommended or Required Reading

1 .Karagül H., Altıntaş A., Fidancı U.R., Sel T.(2000) Klinik Biyokimya. Medisan Yayınevi ANKARA

Week	Weekly Detailed Cou	Irse Contents				
1	Theoretical	Plasma proteins and functions				
	Practice	Presentation of laboratory instruments				
2	Theoretical	Theoretical Acute phase reaction and acute phase proteins				
	Practice	Preparations of solution techniques				
3	Theoretical	Cytokines				
	Practice	Methods for preparing buffer solution				
4	Theoretical	Pozitive acute phase proteins				
	Practice	The principle of the ELISA				
5	Theoretical	Haptoglobin				
	Practice	Spectrofotometric Haptoglobin analysis				
6	Theoretical	Ceruloplasmin				
	Practice	Spectrofotometric ceruloplasmin analysis				
7	Practice	SAA analysis				
8	Theoretical	Fibrinogen				
	Practice	Fibrinogen analysis by Millar and Shalm methods				
9	Theoretical	Analytic methods (Midterm exam)				
10	Theoretical	Albumin ve transferin				
	Practice	Albumin analysis				
11	Theoretical	Clinical significance of acute phase proteins				
	Practice	Transferrin analysis				
12	Theoretical	AFP profiles in different species				
	Practice	CRP analysis				
13	Theoretical	Current rewiev of the literature				
	Practice	Presentation				
14	Theoretical	Current rewiev of the literature				
	Practice	Presentation				

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	13	1	2	39
Assignment	1	1	0.5	1.5



				Course Information Form
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
		Т	otal Workload (Hours)	74
		[Total Workload	(Hours) / 25*] = ECTS	3
*25 hour workload is accepted as 1 ECTS				

Learn	ng Outcomes
1	To be able to explain acute phase proteins
2	To be able to comprehend the clinical significance of acute phase proteins
3	To be able to comprehend methods of acute phase proteins analysis
4	Acute Phase Proteins, Purpose of Uses and Clinical Importance in Animals
5	To be able to apply the knowledge which has been gained.

Programme Outcomes (Biochemistry (Veterinary Medicine) Master)

1 To be able to tell and describe the interdisciplinary interaction with the associated fields. 2 To be able to express original ideas useing his/her higher education knowledge theoretically and practically information and to be able to creat original definations, products, methods improving and questioning these ideas. 3 To be able to manage a free research according to scientifical and metodological methods and be able to hypothetically and practically about his/her own field. 4 To be able to compose and interpret the information from different disciplines, and create solution suggestions and scientific information which can contribute to the solution process. 5 To be able to involves in professional organizations and institutions related with the educational background. 6 To be able to communicate with the professionals out of the field when it is necessary, and contribute to the solution as a team member. 8 To be able to design the source and the type of information that is needed related with the field and chooses the activities that s/he wants to participate, by using his/her ortical thinking abilities that is developed in the education. 10 To be able to define the environmental health rules and apply them for prevention. 11 To be able to define the environmental health rules and apply them for prevention. 12 To be able to define the environmental health rules and apply them for prevention. 13 To be able to define the environmental health rules and apply them for prevention.	· · • 9.	
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Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L2	L3	L5
P1	5			
P2	5	5	5	5
P4		5	5	5
P9		5	5	5
P10				5
P11			5	

