AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Selection of Clinical Biochemistry and Its Evaluation								
Course Code	VBY535		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To learn routine tests used in clinical biochemistry and to interpret them for diagnosis and treatment of diseases								
Course Content	Enzyme tests collected and starge of souples, detection of biochemistrial parametres in blood, determination normol levels of blood parametres								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)	Prof. Funda KIRAL								

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

Recommended or Required Reading	
1	Biyokimya Güneş Tıp Kitapevi
2	Biyokimya Leninger
3	Biyokimya Lipinkot

Week	Weekly Detailed Course Contents	
1	Theoretical	Test selection and the importance at clinical biochemistry
2	Theoretical	Collection, storage, transfer of biological materials
3	Theoretical	The tests used in liver diseases, case assessment
4	Theoretical	Bile acids, tests, case assessment
5	Theoretical	Learn test selection in the urinary system, case assessment
6	Theoretical	Quizze
7	Theoretical	Test selection in endocrine diseases ,case assessment
8	Theoretical	Test selection in metabolic diseases, case assessment
9	Theoretical	Test selection in immune diseases, case assessment
10	Intermediate Exam	Midterm exam
11	Theoretical	Test selection in infectious diseases, case assessment
12	Theoretical	Test selection in gastric and intestinal diseases, case assessment olgu değerlendirme
13	Theoretical	Test selection in fluid- electrolyte and acid-base balance disorders
14	Theoretical	Case assessment
15	Theoretical	Discussion
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	2	30
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to comprehend the importance of test selection and clinical biochemistry

2	To be able to comprehend test selection in hepatic diseases
3	To be able to comprehend test selection in the urinary system
4	To be able to explain test selection in endocrine diseases and its interpretation.
5	To be able to comprehend test selection in metabolic diseases and its interpretation
6	To be able to comprehend test selection in immune diseases and its interpretation
7	To be able to explain test selection in infectious diseases and its interpretation
8	To be able to comprehend test selection in gastric and intestinal diseases and its interpretation
9	To be able to comprehend test selection in fluid- electrolyte and acid-base balance disorders and its interpretation
10	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 defination,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 take responsibility for individual and group work, and do the assignments in line with the skills.
7	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 tell about the production and publishing methods of scientific information.
9	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 critical thinking abilities that is developed in the education.
10	To be able to use technological devices both for professional and social purposes.
11	To be able to compose and interpret any kind of data related with the field (field observations, produced scientific information etc.) and analyzes and interprets the results according to the aims of the research.
12	To be able to define the environmental health rules and apply them for prevention.
13	To be able to apply the knowledge gained in professional level with the awareness of the needs of the region and the country, and develop a defense capability.
14	To be able to conceptualize the phenomena and the events related with the field; study scientific methods and techniques, interpret results; analyze and hypothesize methods in accordance with the results and design solution or treatment alternatives addressing the problems.
15	To be able to interpret the updates of information in the field by using all kinds of sources (scientific information, legislations etc.), and use when needed.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
P2	4	4	4	4	4	4	4			
P3	4	4	4	4	4	4	4			
P4	4	4	4	4	4	4	4	3	3	3
P7								3	3	3
P8	3	3	3	3	3	3	3			
P10								3	3	3
P11	3	3	3	3	3	3	3			
P15	4	4	4	4	3	4	3			