AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Basic Biochemistry								
Course Code	LVS159		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	80 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To learn the routine tests used in clinical biochemistry to contribute to the diagnosis and treatment of diseases								
Course Content	Serum creatinine assay, serum uric acid assay, serum total protein assay, serum total lipid assay, serum cholesterol assay, serum lipoprotein assay, blood sugar assay, serum bilirubin assay.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Basic Veterinary Biochemistry

Week	Weekly Detailed Course Contents	
1	Theoretical	Biophysical Chemistry and Water
2	Theoretical	carbohydrates
3	Theoretical	lipids
4	Theoretical	lipids
5	Theoretical	Proteins and Nucleic Acids
6	Theoretical	Proteins and Nucleic Acids
7	Theoretical	Enzymes
8	Intermediate Exam	Exam
9	Theoretical	Enzymes
10	Theoretical	Mineral Materials
11	Theoretical	Mineral Materials
12	Theoretical	Vitamins
13	Theoretical	Vitaminls
14	Theoretical	Hormones
15	Theoretical	Hormones
16	Final Exam	Exam
17	Final Exam	exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	0	28
Individual Work	14	2	0	28
Midterm Examination	1	10	0	10
Final Examination	1	14	0	14
			Total Workload (Hours)	80
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Give information about biophysical chemistry and water.
2	Give information about the properties and types of carbohydrates and lipids.
3	Explain the properties and functions of amino acids, proteins and nucleic acids
4	Will be able to explain the structure, properties, classifications and mechanisms of enzymes
5	Explain mineral substances, vitamins, hormones, types and functions

Programme Outcomes *(Laboratory and Veterinery Sciences)*	
1	To be able to understand and use , where information about Veterinary Technician
2	To be able to analyze and synthesize
3	To be able to have awareness of ethical and professional responsibility
4	To be able to recognise the basic features of animal species and breeds
5	To be able tomake and test preparation In the laboratory, under the supervision of the veterinarian in charge of registration,
6	To be able to care of animals Asepsis and antisepsis to do with the preoperative and postoperative
7	To be able to control of parasitic infestations and infectious disease prevention and veterinary advice can be helpful when working on
8	To be able toprepare and use of animal feeding protocolsIn theory
9	To be able to Veterinarian examination, imaging, and surgical applications of finding assistance during the application and conduct any kind planned by Veterinarian
10	To be able to Make efforts to enhance productivity in animal husbandry

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	4	4	4
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	1	1	1	1	1
P5	4	4	4	4	4
P6	4	4	4	4	4
P7	4	4	4	4	4
P8	1	1	1	1	1
P9	4	4	4	4	4
P10	4	4	4	4	4