



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Physiology							
Course Code		LVS111		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To teach basic biochemistry including the classifications, physical and chemical properties and functions of carbohydrates, proteins, lipids, enzymes and minerals, explanation of cell, blood, muscle and nervous system and to give basic physiologic knowledge to students							
Course Content		Introduction and basic concepts in physiology, cell physiology, body fluids, blood physiology, blood cells, blood clotting, lymph circulation, muscle system, systems, nerve physiology, the nervous tissue degeneration, reflexes. To teach basic biochemistry including the classifications, physical and chemical properties and functions of carbohydrates, proteins, lipids, enzymes and minerals.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration					
Name of Lecturer(s)		Ins. Tayfun ŞAHİN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Basic Veterinary Physiology, Cengiz F., Sulu N., Galip N., Altınsoat Ç., Yalçın M.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Description and subjects of biochemistry, functions, distribution and metabolism of water, cell in the biochemical cases
2	Theoretical	Properties of biochemical solutions, diffusion, osmotic pressure, dialysis, surface tension, absorption, freezing point depression
3	Theoretical	The definition, classification and functions of carbohydrates
4	Theoretical	The definition, classification and functions of lipids
5	Theoretical	The definition, classification and functions of proteins, nucleic acids and enzymes
6	Theoretical	The definition, classification and functions of minerals and vitamins
7	Theoretical	Repeating courses and midterm exam
8	Intermediate Exam	Midterm Exam
9	Intermediate Exam	Midterm Exam
10	Theoretical	Reproductive physiology , Cell physiology, Blood physiology, Muscle physiology
11	Theoretical	Examination of Neuromuscular slides microscopically
12	Theoretical	Introduction to digestive physiology, its description in herbivores, digestion of intestines
13	Theoretical	Physiology of respiratory and urologic systems
14	Theoretical	Repeating courses
15	Theoretical	General assessment
16	Final Exam	Final Exam
17	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	3	52
Midterm Examination	1	10	1	11
Final Examination	1	12	1	13
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Classifications, functions, physical and chemical properties of carbohydrates;
2	Classifications, functions, physical and chemical properties of lipids;
3	Classifications, functions, physical and chemical properties of proteins and enzymes;
4	Classifications, functions, physical and chemical properties of minerals, vitamins, hormones;
5	Cell and blood physiology;
6	Structure and function of muscle system ;
7	Endocrine system and reproductive physiology;
8	Structure and function of nerve system, sensory organs;

Programme Outcomes (Laboratory and Veterinary 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 to make 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 to prepare and use of animal feeding protocols In 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	L6	L7	L8
P1	4	5	3	4	1	1	2	2
P2	1	2	4	4	5	3	2	4
P3						2		2
P5							4	4
P6			3	2	3	3	5	4
P7								2
P9				3	4	3	2	4

