AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Laboratory Techniques And Safety								
Course Code	LVS106		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	1	Laboratory	0
Objectives of the Course	Used for the laboratory diagnosis of the patient, the laboratory aims to teach to tests.								
Course Content	The materials used in the laboratory, microscopes presentation, and production environments, growth of microorganisms under the microscope preparation is the preparation, sterilization, pasteurization and disinfection, laboratory rules must be followed to clean and maintain laboratory equipment, vehicles and materials hematological, serological tools and materials, painting done (simple), blood count methods, blood serum and plasma extraction.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Veterinary Laboratory Techniques and Principles, Altıntaş A., Fidancı U.R., Sel T., Yılmaz G., Pekcan M.

Week	Weekly Detailed Course Contents	
1	Theoretical	The basic concepts of laboratory
2	Theoretical	Basic calculations in the laboratory
3	Theoretical	Basic laboratory instruments
4	Theoretical	Basic laboratory instruments
5	Theoretical	The laboratory automation and information systems
6	Theoretical	Basic analysis methods used in laboratories
7	Theoretical	Basic analysis methods used in laboratories
8	Intermediate Exam	Midterm Exam
9	Intermediate Exam	Midterm exam
10	Theoretical	Basic analysis methods used in laboratories
11	Theoretical	Quality control in the laboratories
12	Theoretical	Receiving and storage of biological samples
13	Theoretical	Receiving and storage of biological samples
14	Theoretical	Sources of error in the analysis
15	Theoretical	Laboratory safety and cleanliness
16	Final Exam	Final exam
17	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	2	39
Lecture - Practice	13	1	1	26
Practice Examination	1	8	1	9
Midterm Examination	1	10	1	11
Final Examination	1	14	1	15
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes	
1	To be able to Learn to Use and sterilization of tools and equipment used in the lab.
2	To be able to Learn how to import and storage conditions of biological samples.
3	To be able to Learn to basic and advanced analysis methods used in the laboratory.
4	To be able to Learn about laboratory safety and cleanliness.
5	Learn the precautions to be taken in case of emergencies in the laboratory.

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
P1	4	3	4	3
P2	3	3	3	3
P3	3	3	3	3
P4	1	1	2	1
P5	5	5	5	5
P6	3	3	2	2
P7	2	4	4	1
P8	1	2	2	2
P9	4	3	4	2
P10	2	2	2	1