



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Medical Biology And Genetics							
Course Code		LVS103		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	73 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Genetic material, such as the cell and tissues to provide information about the general structure and functions.							
Course Content		Cell structure, function and duty, Mendelian genetics, mitosis, meiosis, structure of genetic material, DNA, RNA, structure, synthesis and genetic control mechanisms, mutation.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study, Individual Study					
Name of Lecturer(s)		Lec. Okan ERTOSLUK							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Yüce S., Bilgen G., Demir İ. Genetics, Nobel Publications, Ankara, 2010.
2	Aksoy A.R., Genetics Lecture Notes, Kafkas University, Faculty of Veterinary Medicine, 1998, Kars.

Week	Weekly Detailed Course Contents	
1	Theoretical	Cell structure and characterized
	Preparation Work	Textbook
2	Theoretical	Cell structure and characterized
	Preparation Work	Textbook
3	Theoretical	The function of the cell
	Preparation Work	Textbook
4	Theoretical	Mendel genetics
	Preparation Work	Textbook
5	Theoretical	Mendel genetics
	Preparation Work	Textbook
6	Theoretical	Mitosis and meiosis
	Preparation Work	Textbook
7	Theoretical	Mitosis and meiosis
	Preparation Work	Textbook
8	Preparation Work	Textbook
	Intermediate Exam	Midterm exam
9	Theoretical	The structure of genetic material
	Preparation Work	Textbook
10	Theoretical	DNA, RNA, structure, synthesis and genetic control mechanism
	Preparation Work	Textbook
11	Theoretical	DNA, RNA, structure, synthesis and genetic control mechanism
	Preparation Work	Textbook
12	Theoretical	Genomic DNA replication and repair
	Preparation Work	Textbook
13	Theoretical	Genotype and phenotype
	Preparation Work	Textbook
14	Theoretical	Mutation
	Preparation Work	Textbook
15	Theoretical	Mutation



15	Preparation Work	Textbook
16	Preparation Work	Textbook
	Final Exam	Final exam
17	Preparation Work	Textbook
	Final Exam	Final exam

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	0	0	0
Laboratory	14	0	0	0
Midterm Examination	1	7	1	8
Final Examination	1	8	1	9
Total Workload (Hours)				73
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

**Learning Outcomes**

1	To be able to recognise cell types, to define the concepts of genetic material
2	To be able to determine phases of the cell cycle
3	To be able to give information about inheritance models
4	To be able to classify the animal tissues depending on the features the Histological of
5	To be able to obtain general information about mutations

**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	L4	L5
P1	5	5	5	5
P2	5	5	5	5
P3	5	5	5	5
P4	1	1	1	1
P5	1	1	1	1
P6	1	1	1	1
P7	1	1	1	1
P8	1	1	1	1
P9	1	1	1	1
P10	3	2	2	3

