MEDICAL BIOLOGY										
1	Course Title:	MEDICAL BIOLOGY								
2	Course Code:	VET1021								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cycle								
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	2.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. HALE ŞAMLI								
15	Course Lecturers:	Doç.Dr. Sena Ardıçlı, Araş.Gör.Dr. Deniz DİNÇEL								
16	Contact information of the Course Coordinator:	halesamli@uludag.edu.tr U.Ü. Veteriner Fakültesi Genetik Anabilim Dalı Nilüfer/BURSA								
17	Website:									
18	Objective of the Course:	To teach the description of the medical biology, structure of and function of the cell, cellular circumstances on molecular basis, the structure of the cell membrane, transport mechanisms of the cell membrane, molecular structure of the genetic material, replication of genetic material, protein synthesis, structure of the chromosome, mutations, control mechanisms of cell division, cell cycle and cell differentiation metabolism, carcinogenesis and evolution.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	They learn the science of cell and biology and the sub- branches of biology.							
		2	They learn the elements that make up the cell structure and their duties; comprehend cellular events at the molecular level.							
		3	They learn the structure of hereditary material and the changes of them that occur at the molecular level.							
		4	They learn the control of cell division at the molecular level and learn the mutation mechanisms.							
		5	They learn the intracellular and intercellular signal transmission mechanisms and apoptosis.							
		6	They have an opinion about cancer development mechanisms at the cellular level.							
		7	They learn about the creation of living things and the mechanism of evolution.							
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							

1	A general overview, introduction to co objectives, content, processing and r books, describing biology and its sul branches	ourse eference o-									
2	Introduction to cell science, methods studying cells	of									
3	Description of structural traits of cell organelles and their functions										
4	Identification the cytoskeleton and its functions										
5	Definition of the cell membrane and i function	ts									
6	Description of the structure and the for of genetic material	unction									
7	Identification of the transcription and translation.										
8	Definition of mutation and types of m	utations									
9	Post-transcriptional mechanisms										
10	Investigation of cell division in terms genetic material	of									
11	Cell signaling										
12	Apoptosis, the molecular mechanism aging, the importance of apoptosis in development and differentiation of the organisms	of n the e									
Activit	es			Number	Dura	ation (hour)	Total Work Load (hour)				
Theore	Materials:		C	ain , Steven A. Wasse	man ,	, Peter V. Min	orsky, Robert				
Practica	als/Labs			0	0.00		0.00				
Self stu	dy and preperation		2	Robert E. Hausman,	Je0¶fr	ey M. Cooper	1Au89e				
Homew	vorks			0	0.00		0.00				
Project	8		3	Lizabeth A. Allison, T	977A91	Moleküler Biy	<b>Ap</b> QQÇeviri				
Field S	tudies			0	0.00		0.00				
Midtern	n exams		K	ťapevi, Ankara, 2018.	10.00	)	10.00				
Others				0	0.00		0.00				
Final E	kams		B	voloji ve Genetik, Aka		yen Kitabevi,	2102100				
Total W	/ork Load						60.00				
Total w	ork load/ 30 hr		D	ağıtım Tic.Ltd. Şti. Ank	ara, 2	010.	2.00				
ECTS	Credit of the Course						2.00				
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midterm Exam 1				30.00							
Quiz 1				10.00							
Home v	vork-project	0	0.00								
Final E	xam	1	60.00								
Total		3	100.00								
Contrib Succes	ution of Term (Year) Learning Activitie s Grade	40.00									
Contrib	ution of Final Exam to Success Grade	9	60.00								
Total			100.00								

Measurement and Evaluation Techniques Used in the Course																
24 ECTS / WORK LOAD TABLE																
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	3	1	1	5	5	3	2	3	2	2	4	0	0	0	0
ÖK2	5	3	1	3	5	5	2	2	2	2	4	5	0	0	0	0
ÖK3	5	3	1	2	5	5	2	3	4	1	4	5	0	0	0	0
ÖK4	5	3	1	2	5	5	2	3	4	1	4	5	0	0	0	0
ÖK5	5	3	1	1	5	5	3	2	3	2	2	4	0	0	0	0
ÖK6	5	3	1	3	5	5	2	2	2	2	4	5	0	0	0	0
ÖK7	5	3	1	2	5	5	2	3	4	1	4	5	0	0	0	0
	LO: Learning Objectives PQ: Program Qualifications															
Contrib ution Level:	Contrib 1 very low ution Level:			2 low 3			3	Medium		4 High			5 Very High			