

HISTOLOGY I

1	Course Title:	HISTOLOGY I
2	Course Code:	VET1003
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HATICE ERDOST
15	Course Lecturers:	Prof. Dr.Hatice ERDOST Prof. Dr. Nesrin Özfiliç
16	Contact information of the Course Coordinator:	Mail:edost@ uludag.edu.tr Uludağ Üniv. Veteriner Fak. Histoloji Embriyoloji Anabilim Dalı
17	Website:	http://www.veteriner.uludag.edu.tr
18	Objective of the Course:	Structural and functional properties of the cell is the smallest living unit is taught. Structural properties of tissues by the combining of the cells of mammals and birds, in comparison aimed to teach pet.
19	Contribution of the Course to Professional Development:	Learns the structural features of cells and tissues formed by the combination of cells, which are the smallest building structure of living, in domestic mammals and poultry, in comparatively. Knowing the structure of a healthy living will enable an easier interpretation and diagnosis of the situation in a sick live.
20	Learning Outcomes:	
	1	Learn the basic concepts and terms in histology,
	2	Uses light microscope
	3	Define the cellular properties of healthy tissue by light microscope
	4	Can distinguish different staining techniques
	5	Can evaluate artifacts of tissue slides
	6	Interpret the structure-function relationship of
	7	By the combining of different cells, tissues and organs can define
	8	Organ and system gain information on the basics of histology
	9	Physiology classes form the basis for the information gain,
	10	Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	Histology and how it is studied, main features of the cells, cytoplasm, cytosol	Types and importance of the microscopy and use		
2	Cell membrane, endoplasmic reticulum, golgi apparatus, lysosomes, mitochondria secretory vesicles, lysosomes, endosomes, peroxisomes, microtubules, cilia and flagella, filaments, cytoplasmic inclusions	Cell and organelles showed with audio-visual system		
3	Nucleus membrane, chromatin organization, chromosomes, nucleolus,	Nucleus, chromatin		
4	Amitosis, mitosis, endomitosis, polyploidy, aneuploidy, meiosis, cell differentiation, cell cycle	Mitosis		
5	Blood tissue, erythrocytes, leucocytes, agranulocytes, granulocytes, thrombocytes, haemopoiesis, hemocytoblast, red bone marrow.	Dog blood smear, horse blood smear		
6	Connective tissue cells, mesenchymal cells, reticular cells, fibroblast, the mononuclear phagocyte system, mast cells, plasma cells, adipose cells, leukocytes	Connective tissue cells		
7	Extra cellular matrix, fibers, collagen fibers, reticular fibers, elastic fibers, amorphous intercellular ground substance, basement membranes, types of connective tissue, Connective tissue cells, basal membrane	Connective tissue fibers		
8	Cartilage, hyaline cartilage, elastic cartilage, fibro cartilage, perichondrium	Hyaline cartilage, elastic cartilage, fibrous cartilage		
Activities		Number	Duration (hour)	Total Work Load (hour)
10	Theoretical	14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preparation		14	1.00	14.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm Exams		1	4.00	4.00
Others		0	0.00	0.00
Final Exams		1	10.00	10.00
Total Work Load				84.00
Total work load/ 30 hr				2.80
ECTS Credit of the Course				3.00
22	Textbooks, References and/or Other Materials:	1. Özer A.. Temel Histoloji. Nobel Yayın Sanayi Ltd Şti, 2014. 2. William K. Ovalle, Patrick C. Nahirney, April 2013 Netter's Essential Histology, Saunders Elsevier 3. Leslie P. Gartner, James L. Hiatt, (2007) Color Textbook of Histology, W. B. Saunders Company 4-Color Atlas and Text of Histology, By Gartner 6 th. Edition by Leslie P. Gartner 2013		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Midterm Exam		1	30.00	

Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Total	100.00	
Measurement and Evaluation Techniques Used in the Course	Short answer written exam(quiz), multiple choice and practice exam based on visuals	

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	3	3	3	2	5	1	2	3	3	1	0	0	0	0
ÖK2	5	5	5	4	2	1	5	1	1	3	2	2	0	0	0	0
ÖK3	5	3	5	2	1	1	5	1	1	3	2	1	0	0	0	0
ÖK4	5	5	5	3	4	2	5	1	2	3	3	1	0	0	0	0
ÖK5	5	5	5	4	2	1	5	1	1	3	2	1	0	0	0	0
ÖK6	5	5	3	3	3	2	5	1	2	3	3	1	0	0	0	0
ÖK7	5	5	5	3	4	2	5	1	2	2	3	1	0	0	0	0
ÖK8	5	3	5	2	1	1	5	1	1	3	2	1	0	0	0	0
ÖK9	5	3	5	5	4	1	5	1	1	3	2	2	0	0	0	0
ÖK10	4	3	4	5	4	1	5	1	2	2	3	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							