GENERAL DIGESTIVE SYSTEM

1	Course Title:	GENERAL DIGESTIVE SYSTEM	
2	Course Code:	VFZ5006	
3	Type of Course:	Compulsory	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
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. Cenk AYDIN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Prof. Dr. Cenk Aydın Bursa Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı 16059 Nilüfer Bursa eposta: caydin@uludag.edu.tr tel:+90(224) 294-1274	
17	Website:		
18	Objective of the Course:	Learning the differences in the structure, development and function, and physiological processes of digestive and endocrine systems from molecule to cell, cell to tissue, tissue to organ, organ to system; basic professional skills.	
19	Contribution of the Course to Professional Development:	To have information on the operation of the digestive system, the absorption of nutrients, disorders of the digestive system.	
20	Learning Outcomes:		
		1	Recognizes the digestive system organs and structurally at the macroscopic and microscopic level.
		2	Explains the structural and developmental features of the digestive system and organs.
		3	Explain the biochemical processes in digestive and endocrine organs / systems.
		4	Explains the digestive system physiology at the level of molecules, cells and tissues.
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21	Course Content:		
	Course Content:		
Week	Theoretical		Practice

1	the functions and components of the monogastric and ruminant digestive systems	
2	Describe the digestion process in the oral cavity	
3	Movements in the digestive tract, chewing, swallowing, drooling	
4	Gastric movements, gastric secretions and emptying mechanisms in the digestive tract	
5	Colon movements, secretion, defecation mechanisms	
6	Entry to digestion in the ruminant stomach and development of the ruminant stomach	
7	Duties of the sulcus esophagus, reticulum, omasum and abomasum	
8	Rumen microorganisms	
9	Digestive events in the rumen	
10	Digestion of carbohydrates in the rumen	
11	Digestion of protein and fats in the rumen	
12	Ruminohepatic nitrogen circulation	
13	Volatile fatty acids and physiology functions	
14	Liver and pancreatic physiology	

22	Textbooks, References and/or Other Materials:	1.Modelling Nutrient Digestion and Utilisation in Farm Animals, Wageningen Academic Publishers, 2011. (CILT l)1989 4. Prof.Dr.Kemalettin Yaman, Fizyoloji -2009

23	Assessment			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	1.00	14.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		1	30.00	30.00
Homeworks		1	15.00	15.00
Projects		0	0.00	0.00
Midterm Exam	0	0.00		
Field Studies		0	0.00	0.00
Midterm exams		0	0.00	0.00
Home work-project	2	25.00		
Others		0	0.00	0.00
Final Exams	1	1	1.00	1.00
Total	3	100.00		
Total Work Load				60.00
Total work load/ 30 hr				2.00
ECTS Credit of the Course				2.00

Total	100.00
Measurement and Evaluation Techniques Used in the Course	"Norm Based Assessment" will be applied after the measurement to be made with multiple choice questions, questions with correct or incorrect options, questions with short answers and Matching questions.

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	3	4	2	3	4	3	2	1	2	4	1	3	0	0	0	0

ÖK2	3	3	1	2	3	3	3	4	2	1	1	3	0	0	0	0
ÖK3	4	2	1	3	3	2	3	2	2	4	3	3	0	0	0	0
ÖK4	3	3	2	3	3	3	4	2	1	2	3	2	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**