PHYSIOLOGY OF DIGESTIVE SYSTEM

1	Course Title:	PHYSIOLOGY OF DIGESTIVE SYSTEM	
2	Course Code:	BIO5500	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. SiBEL TAŞ	
15	Course Lecturers:	Yok	
16	Contact information of the Course Coordinator:	Prof. Dr. Sibel TAŞ Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü e-posta: smeral@uludag.edu.tr Telefon: 0 (224) 294 1795 and Science, Department of Biology e-mail: smeral@uludag.edu.tr Phone: 0 (224) 294 1795	
17	Website:		
18	Objective of the Course:	Explanation of nutrient intake in Invertebrate and related mechanisms, explanation of gastrointestinal structuresandtheirfuntions in Vertebrata.	
19	Contribution of the Course to Professional Development:	Knowing the digestive system and differences of living things, the importance of nutrition and the contribution of basic nutrients to the body system, it can develop different working methods.	
20	Learning Outcomes:		
		1	To describe İnvertebrates and vertebrates proces food physically and chemically within the digestive tract.
		2	To know organization and functions of digestive organs
		3	To understand considerable anatomical modifications in the different parts of the digestive
		4	To describe regulation of food intake
		5	To know digestive system enzymes and hormones
		6	To describe gastric and intestinal digestion, absorption, and excretion
		7	To know nutrition and metabolism
		8	To know gastrointestinal system diseases
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Explanation of nutrient intake in Invertebrate and related mechanisms	

2	Explanation of nutrient intake in Vertebrata and related mechanisms	
3	In humans the basic functions and tissue structure of the digestive system, mouth, pharynx and esophagus	
4	Transport and mixing of nutrients through the gastrointestinal tract	
5	Anatomy and functions of the stomach-secretions, enzymes, hormones-regulation of gastric motility	
6	Anatomy and function of pancreas- enzymes, hormones	
7	Anatomy and metabolic function of liver	
8	Anatomy of the small intestine functions of the small intestine absorption from the small intestine –carbohydrate, lipid, proteins and other substances	
9	Anatomy and functions of the large intestine-rectum, anal canal and anus	
10	Digestion and absorption in the gastrointestinal tract	
11	Disorders of gastrointestinal system	
12	Carbohydrate metabolism	
13	Lipid metabolism	
14	Protein metabolism	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	4	15.00	60.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	36.00	36.00
Total Work Load			180.00
Total work load/ 30 hr	1	100.00	6.00
ECTS Credit of the Course			6.00

Human anatomy and Physiology; Robert Carola, John P Harley, Charles P Noback, 2002

23 Assessment	
TERM LEARNING ACTIVITIES	**NUMBE** **WEIGHT**
Midterm Exam	0 0.00
Home work project	0 0.00
Final Exams	1 100.00
Total	1 100.00
Success Grade	
Contribution of Final Exam to Success Grade	100.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	The system of relative evaluation is applied.

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	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0

ÖK2	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK4	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK5	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK6	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK7	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK8	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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