		META	BOLISM						
1	Course Title:	METABOLISM							
2	Course Code:	TIP2002							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	5.50							
8	Theoretical (hour/week):	4.00							
9	Practice (hour/week):	2.00	2.00						
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri							
15	Course Lecturers:	Prof. Dr. Erdoğan Şendemir, Prof. Dr. İlknur Arı, Prof. Dr. Naciye İşbil Büyükcoşkun, Prof. Dr. Semiha Ersoy, Prof. Dr. Nevzat Kahveci, Prof. Dr. Zehra Serdar, Prof. Dr. Zehra Minbay, Doç. Dr. Arzu Yılmaztepe Oral							
16	Contact information of the Course Coordinator:	Doç.Dr. Arzu Yılmaztepe Oral arzuy@uludag.edu.tr 53921 UÜTF Tıbbi Biyokimya A.D. Görükle Bursa							
17	Website:								
18	Objective of the Course:	To show the anatomic and microscopic structure of the digestive system, to explain the digestion and absorption functions considering the structure of the system, to teach the changes in the absorbed particles and teach the tests used for investigating the disorders of the system.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
	•	1	To show the anatomic structure of the digestive system						
		2	To show the microscopic structure of the digestive system						
		3	To learn the digestion and absorption functions						
		4	to learn the changes in the absorbed particles						
		5	to learn the tests used for investigating the disorders of the digestive system.						
		6	to learn the mechanisms of the associated diseases						
		7							
		8							
		9							
		10							
21	Course Content:								
	Course Content:								
Week	Theoretical		Practice						
1	Anatomy of the mouth and the saliv	ary glands							

2	General principles of the gastrointestinal tract Pharynx and the swallowing								
3	Histology of the tubuler digestive tract Oral cavity and histology of the pharynx Didestion in the mouth; mechanical and chemical activities Anatomy of the oesephagus and stomach	Histology of the mouth, pharynx, oesephagus and stomach							
4	Anatomy of the small intestine Histology of the oesephagus and stomach	Digestive system – histology 1							
5	Motor functions and secretion of the stomach and their regulation Digestive physiology of the stomach Anatomy of the large intestine								
6	Anatomy of the large intestine Anatomy of the liver and choledoc Histology of the small intestine	Anatomy of the small and large intestine							
7	Histology of the small intestine Anatomy of the appendix ductus analis Anatomy of the pancreas and spleen Vascular anatomy of the digestive system	Digestive system – histology 2							
8	Histology of the liver Metabolism of hemoglobin	Large glands, nerve and vessels of the digestive system - anatomy							
Activit		Number	Duration (h	our) Total Work Load (hour)					
Theore	Heletology of the salivary glands and pancreas	14	4.00	56.00					
	als/Labs	14	2.00	28.00					
Self stu	Avander all the period	10	3.00	30.00					
Homev		0	0.00	0.00					
Project	Secretion of the pancreas	0	0.00	0.00					
Field S	tudies	0	0.00	0.00					
Midterr	Secretion of the gallbladder	Digestive system – hi	stology, 3	20.00					
Others		0	0.00	0.00					
Final E	Digestion of proteins and urea synthesis	1	26.00	26.00					
Total V	Vork Load			180.00					
Total w	Unkesting 30 hr			5.33					
ECTS	Credit of the Course			5.50					
	Anatomy of the periton and its parts								
13	Metabolism of VLDL, LDL, HDL and their metabolic disorders Laboratory tets of digestion and absorbtion Protein digestion and synthesis of urea	Serum lipid profile							
14	Carbonhydrate metabolism and its disorders Elements and their metabolism	Glucose and oral glucose tolerance test							
L									

	Textbooks, References and/or Other Materials:									 Sistematik Anatomi, İzmir Güven Kitabevi, 2003 Last's Anatomy, Regional and Applied, McMinn, Churchill Livingstone, 1990 Temel Klinik Anatomi, Moore Agur & Elhan, Güneş Kitabevi, 2006 Kliniğe Yönelik Anatomi, Moore & Dalley, Nobel Tıp Kitabevleri, İstanbul, 2007 Harper's Illustrated Biochemistry.Murray, Grammer, Mayes, Rodwell. Appleton &Lange Junqueira L.C., Carneiro J., "Basic Histology: text&atlas", New York: McGraw-Hill, 2005. Berne R. M., Levy M.N., "Fizyoloji ", Güneş Tıp Kitabevleri, 5.Edition (2008). Guyton A.C., Hall J. E., "Textbook of Medical Physiology ", Elsevier Saunders, 11th Edition (2006). 							
	Asses				•			NIIMD	= 1)4/	FIGHT							
					NUMBE R	=	WEIGHT										
Midterm Exam						1	40	40.00									
						0		0.00									
1, ,						0	_	0.00									
							1		60.00								
	Total 2							_	100.00								
Contribution of Term (Year) Learning Activities to Success Grade								40.00									
Contribution of Final Exam to Success Grade								60	60.00								
Total							10	100.00									
Measure Course								ed in th	ne								
	ECTS	5/) TAB											
25				CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS													
	P	ີ21	PQ2	PQ3	PQ4	PQ5	PQ	6 PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5		0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK4	5		5	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK5	0		0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK6	0		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					-		Dbje	ective			-		alifica	tions			
Contrib1 very low2 lowution				3	Med	lium	4 High			5 Very High							