

HISTOLOGY LAB

1	Course Title:	HISTOLOGY LAB
2	Course Code:	BYL2052
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	0.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	To take BYL 2002 Histology course.
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. SİBEL 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:	Introducing the light microscopy and parts. Teaching the use of the microscope, tissue processing and histological techniques. Teaching and showing the epithelial, connective, cartilage, bone, blood, muscle and nerve tissue of the cells by light microscopy.
19	Contribution of the Course to Professional Development:	Distinguish the cellular structures and types of epithelium, connective, cartilage, bone, blood, muscle and nerve tissues seen in vertebrate animals and knows the methods of microscopic examination.
20	Learning Outcomes:	
	1	Knows the parts of light microscope, and histological tissue and using a microscope.
	2	Recognize the types of epithelial tissue and cells under a microscope.
	3	Recognize the types of connective tissue and cells under a microscope.
	4	Recognize the types of cartilage tissue and cells under a microscope.
	5	Recognize the types of bone tissue and cells under a microscope.
	6	Recognize the types of blood tissue and cells under a microscope.
	7	Recognize the types of muscle tissue and cells under a microscope.
	8	Recognize the types of nerve tissue and cells under a microscope.

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		10																		
21	Course Content:																			
	Course Content:																			
Week	Theoretical								Practice											
1									Showing parts of the microscope and tissue processing.											
2									Microscopic examination of single layer epithelial tissue samples.											
3									Microscopic examination of multi-layer epithelial tissue samples.											
4									Microscopic examination of serous, mucous and sero-mucous glands' tissue samples.											
5									Microscopic examination of endocrine glands samples.											
6									Microscopic examination of exocrine glands samples.											
7									Microscopic examination of loos and tight connective tissue samples.											
8									Microscopic examination of cartilage tissue samples.											
9									Microscopic examination of bone tissue samples.											
10									Microscopic examination of mammalian and amphibian blood samples.											
11									Microscopic examination of muscle tissue samples.											
12									Microscopic examination of central nervous system tissue samples.											
Activites									Number			Duration (hour)			Total Work Load (hour)					
Theoretical									0			0.00			0.00					
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			9.00			9.00					
Quiz									0			0.00			0.00					
Others									0			0.00			0.00					
Term-end project									1			9.00			9.00					
Final Exams									1			9.00			9.00					
Final Exam									1			60.00			60.00					
Total Work Load															60.00					
Total work load/ 30 hr															2.00					
Contribution of Term (Year) Learning Activities to									40.00											
ECTS Credit of the Course															2.00					
Contribution of Final Exam to Success Grade									60.00											
Total									100.00											
Measurement and Evaluation Techniques Used in the Course									The Test or Written Examination											
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	3	1	1	3	1	4	1	3	4	2	3	0	0	0	0				

ÖK2	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK3	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK4	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK5	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK6	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK7	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
ÖK8	3	2	1	1	3	1	4	1	3	4	2	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			