	BASIC HIST	OLOC	SICAL TECHNIQUES							
1	Course Title:	BASIC H	IISTOLOGICAL TECHNIQUES							
2	Course Code:	BIO5519								
3	Type of Course:	Optional								
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	1								
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 f	face							
14	Course Coordinator:	Prof. Dr.	SiBEL TAŞ							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Uludağ Ü e-posta: Telefon: and Scie e-mail: s	Sibel TAŞ İniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü smeral@uludag.edu.tr 0 (224) 294 1795 ence, Department of Biology meral@uludag.edu.tr 0 (224) 294 1795							
17	Website:									
18	Objective of the Course:	To teach basic histological techniques and features								
19	Contribution of the Course to Professional Development:	Improves preparation ability by learning basic histological techniques and properties.								
20	Learning Outcomes:									
		1	Histology lab recognizes ;							
		2	Recognizes the chemicals used in histology, ;							
		3	Apply the techniques of Histology;							
		4	Understands the principles of the new techniques, ;							
		5	Elected to apply the techniques of preparation, ;							
		6	Can produce solutions to problems encountered in practice ;							
		7								
		8								
		9								
	lo o	10								
21	Course Content:	Co	ourse Content:							
Week	Theoretical		Practice							
1	Histology techniques overview									
2	Advanced Histology techniques and importance	their								
3	The appearance of cells in histologic section	al cross-								

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4	Paraffin	techni	ique															
5		staining techniques for histologic reparations																
6	Selecte	d prepa	aration	techr	niques													
7	Histoch	emistry	/															
8	Cytoche	Cytochemistry																
9	Immuno	histoc	hemist	ry														
10	Otorady	Otoradyografi, histo otoradyografi																
11	Freeze- break	break	technic	que														
12	Transm	sion e	lectror	micro	oscopy	techi	nique											
13	Scannin	g elec	tron m	icrosc	copy te	chniq	ue											
14	Artefact	S																
22	Materials:							2 R In L	1- Hsu SM et al. J Histochem Cytochem 29 577-580, 1981 2- Microscopy, Immunohistochemistry, and Antigen Retrieval Methods, hayat M.A.2002.New York 3- Immunohistochemical methods and protocols, Javois L.C.1999,New Jersey 4- Applied Immunohistochem, Taylor C.R., 1993 5-Temel Histoloji, Editör: Prof. Dr. Aytekin ÖZER, 2016									
23	Assesm	ent							-									
TERM L	EARNIN	G ACT	IVITIES	•		N	IUMBE	= w	EIGHT									
Activites								Numb	oer		Duration (hour) Total Wo							
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Practic	als/Labs								0			0.00			0.00			
Set astu	udy and p	repera	ation			1		1	00400			5.00			70.00			
Homew									0			0.00			0.00			
Project	cess Grade ects								0			0.00			0.00			
Field S	d Studies								0			0.00			0.00			
™ntal ern	term exams								10 0.00			0.00		0.00				
Others									0					0.00	.00			
FOURSE	Durse nai Exams								1			65.00						
Total W	otal Work Load												177.00					
Total w	otal work load/ 30 hr												5.90					
ECTS (ECTS Credit of the Course														6.00			
25			CON	TRIE	BUTIC	N O			NING ALIFIC		COMES ONS	S TO I	PROC	GRAM	ME			
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	1 -	PQ11	PQ12		PQ14	PQ15	PQ16		
ÖK1	0	3	4	3	2	0	4	1	0	0	0	0	0	0	0	0		
ÖK2	0	0	2	2	0	0	3	1	1	0	0	0	0	0	0	0		
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ÖK3

ÖK4

ÖK5	4	0	4	4	0	0	3	1	1	0	0	0	0	0	0	0
ÖK6 4 1 3 3 0 1 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0																
Contrib 1 very low ution Level:			2	2 low		3 I	Medi	um	4 High			5 Very High				