FREE FLOATING SECTION TECHNIQUE AND IMMUNOFLOURESANS METHOD

1	Course Title:	FREE FL	DATING SECTION TECHNIQUE AND FLOURESANS METHOD						
2	Course Code:	VHE6019							
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Doç. Dr.	Tuncay İLHAN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Tel: 0224 2941266 E-mail: tilhan@uludag.edu.tr Bursa Uludağ Üniversitesi Veteriner Fakültesi A Blok Histoloji- Embriyoloji A.D.							
17	Website:								
18	Objective of the Course:	To teach free-floating section technique and immunofluorescent staining used in histology laboratory.							
19	Contribution of the Course to Professional Development:	It will be competent to use these techniques in scientific laboratory studies in the field of histology.							
20	Learning Outcomes:								
		1	Ability to use total perfusion technique.						
		2	Learning the usage areas and technical details of free floating section technique.						
		3	Learning the application of immunofluorescence staining technique on free floating sections.						
		4	To learn using cryotome in histology laboratory.						
		5							
		6							
		7							
		8							
		9							
		10							
21	21 Course Content:								
		Co	burse Content:						
VVeek	I neoretical		Practice						
1	Koutine histology technique.								
2	Ticcup detection fiving colutions, col	lutions							
5	appropriate to cryo-section.								
4	Total perfusion technique.								

5	Usag prefe	sage areas of cryotome, reasons of eference.																
6	Using sectio	Jsing cryotome, collecting free floating sections.																
7	Prepa wash	reparation of Cryo protector solution and vashing solutions.																
8	Wash sectio	ashing of tissues, selection of appropriate ections.																
9	Selec fluore	election of appropriate primary antibody and orescent labeled secondary antibodies.					d											
10	Applie antibe	pplication of fluorescent staining 1 (primary ntibody in well plate)																
11	Applie fluore	Application of fluorescent staining 2 (Use of luorescently labeled antibodies)																
12	Takin slides stora	Taking free floating sections on to microscope slides, use of fluorescence microscope, storage of sections.							e									
13	Doub	ole in	nmun	ofluore	escen	t staini	ng.											
14	Free nervo	Free floating section technique in central nervous system.																
22	Textb Mate	extbooks, References and/or Other laterials:						In Bi	Immunohistochemistry: Basics and Methods. Igor B. BuchwalowWerner Böcker.									
23	Asse	sme	nt															
TERM L	EARN	IING	ACTI	VITIES	5		N	UMBE	W	EIGHT								
Activites						Number			Dura	Duration (hour)			Total Work Load (hour)					
Theoretical						0	14			2.00	2.00							
Einal Exam 1 Practicals/Labs							1	10000			0.00			0.00				
Self study and properation							- 1 '	14			4.00	4.00			56.00			
Contribution of Term (Veer) Learning Activities to											0.00			0.00				
Brojects the of Final Final Final Control Cont										0.00								
Contribution of Final Exam to Success Grade Field Studies						11	0			0.00	0.00			0.00				
Midtern	Midterm exams								0.0			0.00	0.00					
Others	Department and Evaluation Techniques Lload in the								0			0.00			0.00			
Final E	al Exams								1		1.00			1.00				
Total W	Vork L	oad															85.00	
Total w	ork lo	ad/ :	30 hr													2.83		
ECTS (ECTS Credit of the Course														3.00			
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	P	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	3	5	4	5	4	5	5	4	4	5	5	5	0	0	0	0	0	
ÖK2	4		4	4	5	4	5	5	5	5	4	5	0	0	0	0	0	
ÖK3	5	;	5	4	5	4	3	4	4	5	4	4	0	0	0	0	0	
ÖK4	5	;	4	5	5	4	5	5	5	4	4	5	0	0	0	0	0	
	LO: Learning Objectives PQ: Program Qualifications																	

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					