	MATERIAL SAMPL		SECTIONING AND STAINING INIQUES						
1	Course Title:	MATERIAL SAMPLING, SECTIONING AND STAINING TECHNIQUES							
2	Course Code:	VPT 6003							
3	Type of Course:	Compulsory							
4	Level of Course:	Third Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:		inco						
14	Course Coordinator:	Face to face Prof. Dr. M.MÜFIT KAHRAMAN							
15	Course Lecturers:	- I. W. WOFIT KARKAWAN							
16	Contact information of the Course Coordinator:	gursels@uludag.edu.tr, 224 2941303, Uludağ Üniv. Veteriner Fak. Patoloji Anabilim Dalı Görükle Kampüsü 16059 BURSA							
17	Website:	http://saglikbilimleri.uludag.edu.tr							
18	Objective of the Course:	To teach students the fixation, decalcification, processing of tissues, preparation of sections and staining methods for histopathological examination							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	The student learns fixative solutions and application techniques, fixation problems and delcalcification techniques						
		2	The student learns processing of tissues and embedding in paraffin						
		3	The student learns preparation of sections						
		4	The student learns routine hematoxylin and eosin staining method						
		5	The student learns special staining techniques						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Course Content:							
Week	Theoretical Practice								

1	Preparation of tissues (fixation)		Preparation and application of fixative solutions							
2	Preparation of tissues (decalcification	n)	Preparation and application of decalcifying solutions							
3	Processing of tissues (dehydration, operaffin embedding)	clearing,	Dehydrating, clearing and embedding in paraffin of tissues							
4	Preparation of sections		Preparation of sections							
5	Routine staining procedures (Hemato and Eosin methods)	oxylin	Routine Hematoxylin and Eosin staining							
6	Staining methods of connective tissu (collagen, keratin, mucin, muscle)	е	Connective tissue staining							
7	Staining methods of cytoplasmic grain (mast cells, chromaffin)	nules	Mast cells staining							
8	Staining methods of hematologic and elements	d nuclear	Giemsa staining							
9	Staining methods of fats and lipids		Fat staining							
10	Staining methods of carbohydrates a mucoproteins (amyloid, glycogen)	ınd	Amyloid and glycogen staining							
Activit			Number	Duration (hour)	Total Work Load (hour)					
Theore	Staining methods of pigments and m (cooper, hemosiderin, iron)	inerals	Irp ₁₄ staining	1.00	14.00					
Practic	als/Labs		14	2.00	28.00					
Self stu	(gstrædebelationfibers)		14	2.00	28.00					
Homev	vorks		0	0.00	0.00					
Project	fast organisms, Gram, fungi)	3 (0	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Migliterr	ால்ஸ்லைks, References and/or Other	,	Higtological and Histochsନମଣିଆ Technics (DaveAport, H.A							
Others			10	4.00	40.00					
Final E	kams		Forces Institute of Path	norte@y♥♥Luna, L.G., ´	19690McGraw-					
Total V	Vork Load		1		150.00					
Total w	ork load/ 30 hr		J.D., Gamble, M., 2002	2, Churchill Livingsto	nte,010ondon)					
ECTS	Credit of the Course				5.00					
			Oxfordshire)							
23	Assesment									
	LEARNING ACTIVITIES	NUMBE R	WEIGHT							
Midterr	n Exam	0	0.00							
Quiz		0	0.00							
Home	work-project	0	0.00							
Final E	xam	1	100.00							
Total		1	100.00							
	oution of Term (Year) Learning Activitions Grade	es to	0.00							

Contribution of Final Exam to Success Grade						100	100.00									
Total							100	100.00								
Measurement and Evaluation Techniques Used in the Course								ne								
24 EC	TS/	WO	RK L	OAD	TAB	LE										
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	4	5	5	3	4	4	5	5	5	5	5	0	0	0	0
ÖK2	5	4	5	5	3	4	4	5	5	5	5	5	0	0	0	0
ÖK3	5	4	5	5	3	4	4	5	5	5	5	5	0	0	0	0
ÖK4	5	4	5	5	3	4	4	5	5	5	5	5	0	0	0	0
ÖK5	5	4	5	5	3	4	4	5	5	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low 2 low 3 ution Level:		3	Medi	edium 4 High			5 Very High									