	MICROSCOPE TY	PES A	ND MICROPHOTOGRAPHY						
1	Course Title:	MICROS	SCOPE TYPES AND MICROPHOTOGRAPHY						
2	Course Code:	VHE501	9						
3	Type of Course:	Optional							
4	Level of Course:	Second	Cycle						
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 1	face						
14	Course Coordinator:	Prof. Dr.	NESRIN ÖZFİLİZ						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Bursa Ul Embriyo	. Nesrin Özfiliz, ludağ Üniversitesi Veteriner Fakültesi Histoloji ve oloji Anabilim Dalı euludag.edu.tr						
17	Website:								
18	Objective of the Course:	To teach microscope types and microphotography							
19	Contribution of the Course to Professional Development:	Must have knowledge about microscopes in order to conduct laboratory work in the field of Histology and Embryology and to evaluate the results. Must learn microphotography to be able to record microscope images.							
20	Learning Outcomes:								
		1	Learns the classical light microscope and its working principle.						
		2	Learn microscopes using different light sources and their working principles						
		3	Learns the types of lens used in microscopes.						
		4	Learns the importance and working principles of microscope, microphoto device and computer connections.						
		5	Can take photographs under the microscope and obtain a micrograph.						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Microscope definition and developm	ent,							
2	Sections of the light microscope								
3	Resolution and numerical aperture								

4	Issues to	red d	uring tl	he use	e of														
5	Light se microsc	mport	tance i	n light															
6		Evaluation of histological sections in light microscopic examinations																	
7	Lens typeffects of					and th	neir												
8	Types o	f micro	scope	s that	t use d	layligh	t today	/											
9	Types o				t use li	ght so	urces												
10	microscopes operating principles																		
11	Transmi microgra	ng mici	roscop	е															
12	Photogr microsc	cation	s in lig	ht															
13	Photographing applications in light microscope																		
14	Evaluati microsc	ken u	nder a	light															
22	Textbooks, References and/or Other Materials:									1. Dellman, H.D., Brown, E. M. (1981): Texbook of Veterinary Histology Lea and Febiger, Philadelphia, USA. 2. Banks, W.J. (1986): Applied Veterinary Histology (second edition). Williams and Wilkins, Baltimore, USA									
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Practica	Practicals/Labs								0	<u>, I. K.</u>	, briugri				0.00	10			
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Total	Total									100.00									
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24	ECTS	/ WO	RK L	OAD	TAB	BLE													
25	<u>. </u>		CON	TRIE	BUTIC	ON O			NING ALIFIC		COME	S TO	PRO	GRAM	ME				
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ÖK1	5	0	5	4	4	3	4	1	3	0	0	0	0	0	0	0			
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Contrib 1 very low ution Level:			,	2 low		3 Medium			4 High			5 Very High				
LO: Learning Objectives PQ: Program Qualifications																
ÖK5	5	0	4	4	3	4	3	4	4	0	0	0	0	0	0	0
ÖK4	5	1	4	5	4	4	3	5	4	0	0	0	0	0	0	0
ÖK3	5	1	4	4	3	4	3	4	4	0	0	0	0	0	0	0
ÖK2	5	0	4	4	4	4	3	4	3	0	0	0	0	0	0	0