		VIRC	DLOGY I						
1	Course Title:	VIROLO	GY I						
2	Course Code:	VET2030)						
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	2.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	KADİR YEŞİLBAĞ						
15	Course Lecturers:	Araş.Göı	Dr. Gizem Alpay						
16	Contact information of the Course Coordinator:		g@uludag.edu.tr ; 2941295, Uludağ Ün. Veteriner Fak. D, Görükle Bursa						
17	Website:								
18	Objective of the Course:	viruses in	nowlegdes on basic princeples of viruses, propagation of n in vivo and in vitro systems, viral pathogenesis and ic methods						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To learnd basic terms in virology						
		2	to learn structure, specifications, and differences from other microorganism						
		3	to learn the cultivation systems for viruses						
		4	to learn persistent and zoonotic infections						
		5	to learn classificaion and taksonomi of the viruses						
		6	to learn diagnostic procedures in viral infections						
		7	to learn control and prevention from viral infections						
		8							
		9							
		10							
21	Course Content:								
		Co	urse Content:						
Week	Theoretical		Practice						
1	Introduction of the course materials, viruses, Evaluation of virology and H virology in Turkey		Introduction of the course materials and research laboratory, basic principles of virology laboratory						
2	Properties of viruses, differences bet other microorganisms	ween	How to use laboratory equipments						
3	Structure of viruses, components and functions, Stability of Viruses to Chel Physical Agents		Cell cultures, primer cell culture preparation						

4		/irus Taxonomy and criterias, order of RNA nd DNA virus clasification									Sampling for virological diagnosis									
5	prions	SE, biology and general properties of rions, prion diseases, Virus and virino neories									Inoculum preparation from sample material (leukosite, serum)									
6	Trans proce (antiv	Replication of viruses and stages, Transcription, translation, post-translation proceses, inhibition of viral replication (antiviral drugs), Viral interference and interferon									Inoculum preparation from sample material (Svab, tissue, gaita)									
7	interre	eac	tions,	evalut	tion of	geneti viruse viral i	s, infl			Inoculation into cell cultures										
8	Virus	pro	pagat	ion an	d titra	ition			Ind	Inoculation to experimental animal										
9	Virus	irus and host cell interreactions									Virus inoculation of embryonating chicken eggs									
10		Epidemiology and trasmisson of viral infections									(Chorioallontoic membrane, Allantoic cavity) Virus inoculation of embryonating chicken eggs (Amniotic cavity, Yolk sac)									
11	Phato	Phatogenesis of viral infections									ation (d	diluation	metho	d)						
12	samp identi IF, PL	ling fica _A,	for di tion, \ HA, R	agnos /iral aı İA, LA	sis, isc ntigen ()	diseas plation detec	and tion (d	IELIS/	۹,	Virus titration (Plaque and immunoplaque assay)										
13			for an IF, AG				tectior	n (SN	Γ, Vii	Virus neutralization assay										
14	Methods for viral nucleic acid detection and									Hemagglutination and hemagglutination inhibition							ssay			
Activit	Activites									Numb	er		Duration (hour			Total Work Load (hour)				
Theore	Theoretical								2	2 Wiroloji Laboratuvar Uygylamaları, Prof.Dr և adir Yesilbağ UÜ Vet Fak yayınları										
Practic	Practicals/Labs									14 2.00 28.00										
Self stu	Self study and preperation									igoincott vviiliams&vviiligs)						9.00				
Homew	vorks									0				0.00			0.00			
PERINCE	EARN	ING	ACTI	VITIES	}		N	IUMBE	W	weight				0.00			0.00			
Field S										0							0.00			
MISTER	n Exar	n ns					1		30	100	1.00					1.00				
Others										0 0.00					0.00					
Finale	work-p Xams	roje	ect				0		0.0	10			1.00	1.00			1.00			
Total V																54.00				
†8ŧal w	vork loa	ad/	30 hr				3		110	0.00						1.77				
ECTS (Credit	of t	he Co	urse												2.00				
Contrib	oution o	of F	inal E	xam to	Suc	cess G	rade		60	60.00										
Total	Total								10	100.00										
Measu		t ar	nd Eva	luatio	n Tec	hnique	s Use	d in th	е											
Course			14/0:	DI4 '	045	T 4 5														
24		5 /				TAB							_							
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																			
	Р	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	I -	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16			
ÖK1	5		2	2	5	2	1	2	1	1	2	2	5	0	0	0	0			
]												

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