DIAGNOSTIC METHODS IN VIROLOGY									
1	Course Title:	DIAGNO	STIC METHODS IN VIROLOGY						
2	Course Code:	VVR6005							
3	Type of Course:	Optional							
4	Level of Course:	Third Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. KADİR YEŞİLBAĞ							
15	Course Lecturers:	Prof. Dr. Kadir YEŞİLBAĞ							
16	Contact information of the Course Coordinator:	Prof. Dr. Kadir YEŞİLBAĞ							
17	Website:								
18	Objective of the Course:	Giving knowledges on basic principles of laboratory methods for virological diagnosis							
19	Contribution of the Course to Professional Development:	They graduate knowing the basic principles and diagnostic methods in the diagnosis of viral diseases, they graduate.							
20	Learning Outcomes:								
		1	Learning optimal sampling for Diagnosis of viral infections						
		2	Understanding the prosedures used for preparation of diagnostic materials						
		3	Learning the diagnostic methods (Virus isolation- identification, ans molecular methods) used for virus detection						
		4	Learning the diagnostic methods used for detection of antiviral antibodies						
		5							
		6							
		7							
		8							
		9							
	-	10							
21	Course Content:								
		Со	urse Content:						
	Theoretical		Practice						
1	General approaches to diagnostic pr in viral diseases		diseases						
2	Enzyme-linked immunosorbent assa (ELISA)	у	Enzyme-linked immunosorbent assay (ELISA)						
3	Immunofloresan technique		Immunofloresan technique						

4	Immunoperoxidase techniques and i modifications	ťs	Immunoperoxidase techniques and it's modifications					
5	Neutralization test and it's modification	ons	Neutralization test	and it's modifications				
6	Agar gel immunodiffusion test		Agar gel immunodi	ffusion test				
7	Plaque test, Plaque reduction test		Plaque test, Plaque	e reduction test				
8	Hemagglutination and Hemagglutina inhibition tests	ition	Hemagglutination and Hemagglutination inhibition tests					
9	Radioimmunoassay, Single radial ha	emolysis	Radioimmunoassa	y, Single radial haemoly	sis			
10	Reverse passive hemagglutination to Hemadsorption-elution-hemagglutin		Reverse passive hemagglutination test, Hemadsorption- elution- hemagglutination test					
11	Electrophoresis		Electrophoresis					
12	Polymerase chain reaction and it's modifications		Polymerase chain reaction and it's modifications					
13	Polymerase chain reaction and it's modifications (continue)		Polymerase chain reaction and it's modifications (continue)					
14	Hibridation techniques		Hibridation techniques					
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22	Textbooks, References and/or Other Materials:		Virolojide Kullanılan teşhis yöntemleri course note: Prof.Dr. Kadir Yeşilbağ					
23	Assesment	•						
TERM I	LEARNING ACTIVITIES	NUMBE R	WEIGHT					
Midterr	m Exam	0	0.00					
Quiz		0	0,00					
Activites			Number	Duration (hour)	Total Work Load (hour)			
Tate bre	etical	1	10ρ ₄ 00	2.00	28.00			
Practic	cals/Labs		14	2.00	28.00			
Self stu	udy and preperation		14	3.00	42.00			
Homev	Norks	^	11	2.00	22.00			
Total Project	ts		1100.00	0.00	0.00			
Field S			0	0.00	0.00			
Midterr	FCTS / WORK I OAD TARLE		0	0.00	0.00			
Others	;		0	0.00	0.00			
Final E	xams		1 1.00 1.00					
Total V	Vork Load				121.00			
Total w	vork load/ 30 hr				4.03			
ECTS	Credit of the Course				4.00			
25	CONTRIBUTION	OFIFA	RNING OUTCO	MES TO PROGRAM	/MF			
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25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	2	3	4	3	5	5	5	5	5	4	5	5	0	0	0	0
ÖK2	2	5	5	4	5	4	5	3	3	1	3	2	0	0	0	0
ÖK3	3	5	5	5	5	3	3	2	2	2	3	2	0	0	0	0
ÖK4	5	4	5	5	5	3	3	1	2	1	3	2	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:					