	HOST PLANT AN	ID PA	THOGEN RELATIONSHIPS							
1	Course Title:	HOST P	LANT AND PATHOGEN RELATIONSHIPS							
2	Course Code:	BIT5001								
3	Type of Course:	Compuls	sory							
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	7.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr.	ÜMİT ARSLAN							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Tel: 0.22	E-posta: uarslan@uludag.edu.tr Tel: 0.224.2941575 U. Ü. Ziraat Fak. Bitki Koruma Bölümü							
17	Website:									
18	Objective of the Course:	Mechanism of host plant relationships, genetic mechanisms of host plant resistance in plants, mechanisms responsible for variation in plant pathogens, epidemiology and etiology of major groups of plant-microbe relationships, control measures of plant pathogens								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Knows economical importance and spread of plant diseases							
		2	Knows pathogens causing diseases on plants							
		3	Knows morphological features of fungal, bacterial and viral pathogens							
		4	Knows genetic mechanisms of host plant resistance in plants							
		5	Knows mechanisms responsible for variation in plant pathogens							
		6	To understand the epidemiology and etiology of major groups of plant-microbe relationships							
		7	Knows biochemistry of plant pathogen interactions							
		8	Knows physiology of plant pathogen interactions							
		9	Knows interactions between plant pathogens and host plant							
		10	Knows control measures of plant pathogens							
21	Course Content:									
		Co	ourse Content:							
	Theoretical		Practice							
1	Introduction and terminology									

2	Disea	ase (	develo	pmer	nt														
3	Classification of plant diseases																		
4		actio	ns be			t patho	gens a	and											
5	Mech patho heter cytop	nanis ogen okar olasn	sms re is incli ryosis nic inf	uding , para neritar	mutat sexua nce ar	or variation, hy ality, ac and bact n, and	/bridiza laptati erial	ation, on,											
6						n intera		nogen	s										
7				ene-c			•												
8	Form	atio	n of n	ew rad	ces ar	nd bioty	ypes												
9	Study		patho	genici	ty of f	ungi, b	acteria	a and											
10						echniqu ogens	ues foi	r											
11	Bioch	nemi	stry a	•	ysiolo	gy of p	lant		Т										
12	+	plan	nt-path			actions	, with	some											
13	+	•		of plan	nt dise	ases													
14	Cont	rol m	neasu	res of	plant	patho	gens												
Theore										Sulface Microbiology, Springer, 628									
Practic										0				0.00			0.00		
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				urse									+			7.00			
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24	ECT	S/	WOF	RK L	OAD	TAB	LE												
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
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ÖK2	4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK8	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	
ÖK7	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	
ÖK6	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK5	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	
ÖK3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	