PHYTOPATHOLOGY											
1	Course Title:	PHYTOF	PATHOLOGY								
2	Course Code:	BTKZ104	4								
3	Type of Course:	Compuls	ory								
4	Level of Course:	Short Cy	cle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00	0.00								
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Öğr. Gör	. HAKAN ERDOĞAN								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	Öğ.Gör. hkerdoga 0224773	Hakan ERDOĞAN an@uludag.edu.tr 6042								
17	Website:										
18	Objective of the Course: The aim of this course is to enable students to learn the concept or disease in plants, to understand all the factors that cause disease, to learn the causes of plant and pathogen-induced changes in disease formation, to analyze the place and functions of disease factors in the ecosystem, to make macroscopic and microscopic evaluation, to make comparison of the main methods which can fight against microorganisms causing diseases in plants.										
19	Contribution of the Course to Professional Development:	Learns li plants ar	ving and non-living disease factors that cause disease in ad methods of combating them.								
20	Learning Outcomes:										
		1	To be able to comprehend the structural and biochemical reactions in plant resistance against harmful microorganisms								
		2	To be able to evaluate the status of plant diseases in ecological system								
		3	To compare and analyze the basic concepts of disease control in phytopathology								
		4	To comprehend the general information in phytopathology								
		5	To understand the economic importance of diseases in plant production								
		6	To be able to identify the nonliving and living elements that cause the diseases and to categorize them								
		7	To be able to identify important microbial chemicals								
		8	To be able to relate the physiological and biochemical changes caused by microorganism-based substances in plants								
		9									
		10									
21	Course Content:										
	Course Content:										

Week	Theoretical		Practice						
1	General content and presentation course, the concept of disease in definitions	of the plants and							
2	History of plant diseases, econom importance, general recognition w disease	ic ays of							
3	Symptoms of disease (Symptoma	tology)							
4	Abiotic reasons of diseases in plan	nts							
5	Biotic reasons of diseases in plan pathogenic viruses	its, plant							
6	Biotic reasons of diseases in plan pathogenic viruses	its, plant							
7	Plant pathogenic prokaryotes								
8	Plant pathogenic prokaryotes								
9	Plant pathogenic fungi								
10	Disease formation and disease sta	ages							
11	How pathogens attack plants: che weapons of the pathogen	mical							
12	Physiological changes in diseased	d plants							
13	Plant defense against pathogens a ecology	and disease							
14	Protection measures against plant	t diseases							
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
TERME	EARNING ACTIVITIES	NUMBE	wełgнт	3.00	42.00				
Practica	als/Labs		0	0.00	0.00				
Self stu	idy and preperation	1	40,00	3.00	42.00				
Homew	vorks		1	8.00	8.00				
Project	s	U	0.00	0.00	0.00				
Field S	tudies	14	1	8.00	8.00				
Midtern	n exams	2	100.00	10.00	10.00				
Others			0	0.00	0.00				
Final E	xams	ada	1 60.00	10.00	10.00				
Total W	Vork Load				120.00				
Total w	ork load/ 30 hr				4.00				
ECTS (Credit of the Course				4.00				
			undergraduate Education Regulation.						
24	ECTS / WORK LOAD TABL	E							
25	CONTRIBUTIO	N OF LEAI Ql	RNING OUTCO	S					

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	2	1	1	0	1	0	2	1	1	1	0	0	0	0	0	0
ÖK2	3	1	1	0	1	1	3	2	1	0	0	0	0	0	0	0
ÖK3	4	2	3	0	0	2	3	2	1	2	0	0	0	0	0	0

ÖK4	5	4	3	1	2	3	3	3	2	1	0	0	0	0	0	0
ÖK5	2	1	2	0	1	1	3	2	2	1	0	0	0	0	0	0
ÖK6	4	2	1	0	0	1	2	3	1	2	0	0	0	0	0	0
ÖK7	3	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
ÖK8	1	1	1	0	0	0	2	2	1	2	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 Iow		3	3 Medium		4 High			5 Very High					