

PLANT PATHOGENIC FUNGI

1	Course Title:	PLANT PATHOGENIC FUNGI
2	Course Code:	BIO5212
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. C.CEM ERGÜL
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	ergulc@uludag.edu.tr Tel:2941781 Bursa Uludağ Üniversitesi, Fen – Edebiyat Fakültesi, Biyoloji Bölümü, 16059, Nilüfer-Bursa
17	Website:	
18	Objective of the Course:	To give information about biotic factors and factors affecting the emergence of plant diseases in the biosphere and nearby environment, to teach ways of fighting against plant diseases and prevention from diseases
19	Contribution of the Course to Professional Development:	Medium level
20	Learning Outcomes:	
	1	Learn biology of fungi
	2	Understand the relationships of fungal pathogenic organisms with biotic factors
	3	Understand the relationships of fungal pathogenic organisms with abiotic factors
	4	Describe fungal pathogens macroscopically
	5	Describe fungal pathogens microscopically
	6	Know the biological cycle of fungal pathogens
	7	Know ecology and phenology of fungal pathogens
	8	Be informed about the ways and methods of protection from fungal pathogens
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The overview of Fungi	
2	Fungal organism biology I	
3	Fungal organism biology II	

4	Fungal plant pathogens I	
5	Fungal plant pathogens II	
6	Fungal plant pathogens III	
7	Fungal plant pathogens and hosts	
8	Important fungal plant pathogens in the world	
9	Fungal plant pathogens commonly observed in our region	
10	Important fungal plant pathogens in agricultural economics I	
11	Important fungal plant pathogens in agricultural economics II	
12	Fungal plant pathogens ecology and phenology	
13	Preventive measures against fungal plant pathogens	
14	Pathways to fight against fungal plant pathogens	

22	Textbooks, References and/or Other Materials:	<p>S. ÖZÇELİK, Environmental Microbiology, SDÜ Ziraat Fakültesi, Yay. No:5, Kitap No:5, Isparta, 2004</p> <p>R. M. ATLAS, R. BARTHA, Microbial Ecology, Benjamin Cummings Publ. Calif. USA, 1998</p> <p>N. BAYKAL, Fitopatoloji, U.Ü. Basımevi, Bursa 1995</p> <p>N. BAYKAL, Bacteriology, U.Ü. Ziraat Fakültesi, Ders Notları No:63 Bursa, 1994</p> <p>O. YEĞEN, Phytopathology, Akdeniz Üniversitesi Ziraat</p>
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Activities		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	3.00	42.00
Practicals/Labs		0	0.00	0.00
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT	5.00	60.00
Homeworks	2		15.00	30.00
Projects	0		0.00	0.00
Quiz	0		0.00	0.00
Field Studies	4		8.00	32.00
Home work project	0		0.00	0.00
Midterm exams	0		0.00	0.00
Final Exam	1	100.00		
Others	0		0.00	0.00
Total	1	100.00		
Final Exams	1		16.00	16.00
Contribution of Term (Year) Learning Activities to			0.00	
Total Work Load				180.00
Total work load/ 30 hr				6.00
Contribution of Final Exam to Success Grade	100.00			
ECTS Credit of the Course				6.00

Measurement and Evaluation Techniques Used in the Course	Discussion and getting feedback
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24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	3	3	2	2	1	1	1	1	0	0	0	0	0	0	0
ÖK2	2	3	2	2	1	1	2	1	1	0	0	0	0	0	0	0

ÖK3	3	2	2	2	1	2	1	1	1	0	0	0	0	0	0	0
ÖK4	3	2	3	2	3	2	1	2	3	0	0	0	0	0	0	0
ÖK5	3	2	2	2	1	2	1	3	2	0	0	0	0	0	0	0
ÖK6	2	2	2	1	2	1	1	2	3	0	0	0	0	0	0	0
ÖK7	3	2	3	2	2	1	2	1	3	0	0	0	0	0	0	0
ÖK8	2	2	3	3	4	3	3	2	3	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			