	PLANT MYCOLOGY												
1	Course Title:	PLANT I	MYCOLOGY										
2	Course Code:	BTK361	0										
3	Type of Course:	Compuls	SOFY										
4	Level of Course:	First Cyc	sle										
5	Year of Study:	3											
6	Semester:	6											
7	ECTS Credits Allocated:	4.00											
8	Theoretical (hour/week):	2.00	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.	ÖZGÜR AKGÜN KARABULUT										
15	Course Lecturers:												
16	Contact information of the Course Coordinator:	E-posta: Tel: 90.2 Adres: U Kampüs	E-posta: ozgurk@uludag.edu.tr Tel: 90.224.2941572 Adres: Uludağ Üni., Ziraat Fak. Bitki Koruma Bölümü Görükle Kampüsü, Bursa 16059, Türkiye										
17	Website:												
18	Objective of the Course:	This course is designed to teach students the general characteristics of fungi, to give basic information on fungal nutrition, growth and reproduction, to introduce certain taxonomic categories that contain plant pathogenic fungi											
19	Contribution of the Course to Professional Development:												
20	Learning Outcomes:												
		1	Students should be able to main characteristics of fungi distinguishing them from other groups of microorganism.										
		2	To understand their importance in many relations with human life.										
		3	To gain the basic information on reproductive structures which are using to identification fungi.										
		4	To comprehend the differences in phenotypic characters that is essential for fungal taxonomy										
		5	To learn life cycles of important plant pathogenic Oomycetes.										
		6	To learn life cycles of important plant pathogenic Ascomycetes.										
		7	To learn life cycles of important plant pathogenic smut and bunt fungi.										
		8	To learn life cycles of important plant pathogenic rust fungi.										
		9	To learn the differences of mitosporic fungi spores structure.										
		10	To be able to distinguish yeast than other fungi.										
21	Course Content:												
		Co	ourse Content:										
Week	k Theoretical Practice												

1	Introduction to fungi, their significant for human life and environment, the place of fungi in the kingdoms of life.	Introduction							
2	Fungal cell structure, nutrition and growth of fungi	Macroscopic observation of fungal cultures and microscopic examination of non-septate and septate hypae.							
3	Asexual reproduction of fungi	Examples of different types of asexual spores							
4	Sexual reproduction of fungi	Examples of different types of asexual spores							
5	Classification and nomenclature of fungi	Examples of different types of sexual spores Microscopic examination of sexual and asexual reproductive structures of important pathogen genera in this group.							
6	Fungus-like organisms in the Kingdom Protozoa and Chromista	Microscopic examination of sexual and asexual reproductive structures of important pathogen genera in this group.							
7	Midterm Exam								
8	Characteristics and distinguishing features of Kingdom Chromista, main characteristics and life cycles of important plant pathogens belonging to this taxon	Microscopic examination of important pathogen genera in this group.							
9	Kingdom Fungi: Characteristics and distinguishing features of Chytridiomycetes Division, main characteristics and life cycles of important plant pathogens belonging to this taxon	Microscopic examination of important plant pathogen genera in this group.							
10	Characteristics and distinguishing features of	Microscopic examination	n of important patho	ogen genera in					
Activit	es	Number	Duration (hour)	Total Work Load (hour)					
Theore	Ascomycetes Division, main characteristics	mildews genera, Taprina	25.005 cus structure	anglohifferent					
Practic	als/Labs	14	2.00	28.00					
Sell2stu	Characteristication distinguishing features of	Mit4oscobic examination	00 50 he rust teliospo	7eS 0					
Homew	vorks	1	15.00	15.00					
Project	belonging to this taxon	0	0.00						
Field S	tudies	0	0.00	0.00					
Midtern	before this taxon	1	16.00	16.00					
Others		1	2.00	2.00					
Final E	kams	1	24.00						
Total W	/ork Load			120.00					
Total w	rork load/ 30 hr			4.00					
ECTS (Credit of the Course			4.00					

22	Textbooks, References and/or Other Materials:	Rai, M., Bridge P., D., Applied Mycology. 2009. CAB International. Webster, J., Weber R., Introduction to Fungi. 2007. Third Edition. Cambridge University Press. Gadd, G. M., Watkinson S.C., Dyer P.S. 2007. Fungi in the
		 (Edited by G.M. Gadd). p408. Deacon J., Fungal Biology. 2006. 4th edition. Institute of Cell and Molecular Biology, University of Edinburgh, UK. Agrios, G.N. 2005. Plant Pathology. Fifth Edition, Academic Press, Inc. p952. Carlile M.J., Watkinson S.C., Gooday G.W. 2001. Fungi. Elsevier, Second edition. p588. Stacey G., Keen N.T. 1995. Plant-Microbe Interactions. Springer First edition. p316. Baykal, N. 1992. Mikoloji. Uludağ Üniversitesi Basımevi, Bursa.

23 Assesment

TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT					
Midterm Exam	1	30.00					
Quiz	1	5.00					
Home work-project	1	5.00					
Final Exam	1	60.00					
Total	4	100.00					
Contribution of Term (Year) Learning Activitie Success Grade	es to	40.00					
Contribution of Final Exam to Success Grade	9	60.00					
Total		100.00					
Measurement and Evaluation Techniques Us Course	sed in the						

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ÖK8	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low		3 Medium		4 High		5 Very High							