

FUNGAL ECOLOGY

1	Course Title:	FUNGAL ECOLOGY
2	Course Code:	BIO6207
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
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:	None
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:	Doç.Dr. C. Cem ERGÜL ergulc@uludag.edu.tr 0224 29417 81 Bursa Uludağ Üniversitesi, Fen – Edebiyat Fakültesi, Biyoloji Bölümü, 16059, Nilüfer-Bursa
17	Website:	
18	Objective of the Course:	Comprehending and understanding on the fungal organisms in ecosystem functions.
19	Contribution of the Course to Professional Development:	High level
20	Learning Outcomes:	
	1	To provide explanatory knowledge that the physiological behavior of fungal organisms
	2	To indicate on fungal organisms that is related on environmental sources from abiotic factors
	3	To indicate on fungal organisms that is related on environmental sources from biotic factors
	4	To explain the role and contributions of fungal organisms in ecosystem
	5	To known on fungal communitie structure and composition
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Fungal life strategies	
2	Fungal Physiology	
3	Mycelium and growth media	

4	Fungal communities structure and composition	
5	Decomposition of leaves and colonization	
6	Fungal communities on the development of herbaceous stems and pastures	
7	The use of wood and decay by the fungi	
8	Rhizosphere and soil fungi	
9	Coprofajik fungi	
10	Aquatic fungi	
11	Nematofajik fungi	
12	Phoenicoid fungi	
13	Fungi in extreme environments	
14	Terrestrial macrofungi	

22	Textbooks, References and/or Other Materials:	-Fungal Ecology, N.J. Dix, J. Webster. Chapman & Hall 1995 -Fungal Biology, D. H. Jennings, G. Lysek, Bios Scientific Publ. Germany. 1996 -Fundamental of the Fungi, E. Moore-Landecker, Prentice Hall Upper saddle River, N.J. U.S.A. 1996 -Microbiyal Ecology, R. M. Atlas, R. Bartha. Addison Wesley Longman, 1997 -Freshwater Mycology, C.K.M. Tsui, K.D. Hyde. Fungal Diversity Press, 2003 -Biodiversity of Fungi. G. M. Mueller. G.F. Bills. M.S.
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		4	6.00	24.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		12	5.00	60.00
Homeworks		2	15.00	30.00
Projects		0	0.00	0.00
Field Studies		4	8.00	32.00
Midterm exams		0	0.00	0.00
Others		0	0.00	0.00
Final Exams		1	16.00	16.00
Total Work Load				180.00
Contribution of Term (Year) Learning Activities to Total Work load/ 30 hr		10.00		6.00
ECTS Credit of the Course				6.00
Contribution of Final Exam to Success Grade		100.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course	Discussion and getting feedback			

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	3	3	4	4	3	4	3	4	4	3	3	0	0	0	0	0
ÖK2	4	3	4	3	3	4	4	3	4	3	3	0	0	0	0	0

ÖK3	3	3	4	4	3	3	4	3	4	3	4	0	0	0	0	0
ÖK4	4	4	4	3	3	3	4	4	3	3	3	0	0	0	0	0
ÖK5	1	2	1	2	1	2	3	1	2	3	4	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			