

MYCOLOGY

1	Course Title:	MYCOLOGY
2	Course Code:	BYL4110
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	8
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
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:	Doç.Dr. C.CEM ERGÜL
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç. Dr. C. Cem ERGÜL, ergul@uludag.edu.tr Tel: 0 (224) 294 1781 Uludağ Üniversitesi Fen-Edebiyat Fakültesi B Blok Görükle Kampüsü, Nilüfer/BURSA 16059
17	Website:	
18	Objective of the Course:	To teach the biological importance of fungal organisms, important characters of fungal taxa and fungal taxonomy. Fungal morphology, cytology, metabolism (fermentation, biosynthesis, degradation) and reproductive characteristics, life cycles of fungal taxa. Fungal parasites and symbiotically relationships.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To defines the general properties of fungal organism.
	2	To defines taxonomic position of fungal groups.
	3	To explains life cycles of fungal organism.
	4	To discusses the importance of fungal organism on ecological, pathological and economical aspects.
	5	To explain the methods of utilization of fungal organisms.
	6	To discuse ecological effects of the fungi in the biosphere.
	7	To define toxic and non-toxic fungi
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The importance of fungi in the living world, general structural (morphological, cytological etc.) and physiological characteristics of fungi	

2	Fungal taxonomy and classification of organisms			
3	Chytridiomycota, Zygomycota and related classes: Zygomycetes, Trichomycetes.			
4	The general characters of Ascomycota and Deuteromycetes classes			
5	Saccharomycetales order			
6	Archiascomycetes, Filamentous Ascomycetes, I.			
7	Archiascomycetes, Filamentous Ascomycetes, II.			
8	Plecto-/Pyreno/Discomycetes classes			
9	Lichenised Fungi			
10	Loculoascomycetes class			
11	Basidiomycota orders: Agaricales, Aphyllophorales, Uredinales, Ustilaginales			
12	Stramenophila groups: Oomycota, Hyphochytriomycota, Labyrinthulomycota			
13	Slime fungi: Myxomycota, Plasmodiophoromycota, Acrasiomycota, Dictyosteliomycota			
14	Fungal Ecology and the possibilities of benefiting fungi, harmful fungi and toxins			
22	Textbooks, References and/or Other	-J. DEACON, Fungal Biology, Blackwell Publishing USA, 4		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		FOSTER, Biodiversity of Fungi, Elsevier Academic Press. 2004	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		AS, Bursa 2000	4.00	56.00
Homeworks		D. H. JENNINGS, G. LYSEK, Fungal Biology, Bios	0.00	0.00
Projects		E. MOORE-LANDECKER, Fundamental of the Fungi, Prentice Hall Upper saddle River, N.J. USA 1996	0.00	0.00
Field Studies		0	0.00	0.00
23	Midterm Assessment	1	14.00	14.00
Others		0	0.00	0.00
Final Exams		1	22.00	22.00
Midterm Exam	1	50.00		
Total Work Load				120.00
Total work load/ 30 hr				4.00
Home work-project		0	0.00	
ECTS Credit of the Course				4.00
Final Exam		1	50.00	
Total	2	100.00		
Contribution of Term (Year) Learning Activities to Success Grade		50.00		
Contribution of Final Exam to Success Grade		50.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	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	0	0	0	0	0	2	0	3	4	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	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			