

CLASSIFICATION OF NONE FLOWERING PLANTS

1	Course Title:	CLASSIFICATION OF NONE FLOWERING PLANTS	
2	Course Code:	BYL3007	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
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:	Prof. Dr. GÖNÜL KAYNAK	
15	Course Lecturers:	Doç. Dr. Özer Yılmaz	
16	Contact information of the Course Coordinator:	e-posta: gkaynak@uludag.edu.tr 0.224.2941852 Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Görükle Kampüsü, 16059 Bursa	
17	Website:		
18	Objective of the Course:	The aim is to give the students increased knowledge of morphology, metabolism, reproduction and classification of non-flowering plants .	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To define to be formed first plants in the world
		2	To learn adaptation of plants for environment and evolution
		3	To understand variations of structure – evolution interactions
		4	To learn classification of plants
		5	To define adaptation of plants for mainland
		6	To understand the origin of terrestrial plants
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		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Characteristics of algae - Cyanobacters		
2	Cyanobacters - Euglenophyta		
3	Chryptomonads – Pyrrophyta		
4	Ochrophyta I, II, III, IV		

5	Ochrophyta IV - Rhodophyta	
6	Rhodophyta	
7	Chlorophyta	
8	Midterm Exam - Chlorophyta	
9	Mycophyta	
10	Mycophyta - Lichenes	
11	Anthocerotales - Marchantophyta	
12	Bryophyta	
13	Pteridophyta	
14	Pteridophyta	
22	Textbooks, References and/or Other Materials:	Graham, Linda E., Algae, Prentice-Hall, Inc. Upper Saddle River, NJ 07458, 2000, (ISBN: 0-13-660333-5). E. Moore-Landecker, Fundamental of Fungi, 4. Baskı, Prenticehall, Newjersey, USA, 1996, (ISBN: 0-13-376864-3). Alain Vanderpoorten, Bernard Goffinet, Introduction to Bryophytes, Cambridge University Press, Edinburg, 2009, (ISBN: 978052170733). Hüseyin Güner, Veysel Aysel, Tohumuz Bitkiler Sistematığı I: Algler, Ege Üniversitesi Fen Fakültesi Kitaplar Serisi No: 108, İzmir, 1999. Hüseyin Güner, Veysel Aysel, Tohumuz Bitkiler Sistematığı, II: Mantarlar ve Likenler, Ege Üniversitesi Fen Fakültesi Kitaplar Serisi No: 138, İzmir, 2002
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam		60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical			
Practicals/Labs			
Self study and preperation			
Homeworks			
Projects			
Field Studies			
Midterm exams			
Others			
Final Exams			
Total Work Load			
Total work load/ 30 hr			
ECTS Credit of the Course			4.00

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	5	0	0	4	0	0	0	0	0	0	5	4	0	0	0	0
ÖK2	0	0	0	3	0	5	0	0	0	4	0	0	0	0	0	0
ÖK3	5	0	0	0	0	4	4	0	0	2	0	3	0	0	0	0
ÖK4	5	0	0	5	0	0	0	0	0	0	5	0	0	0	0	0
ÖK5	0	0	0	0	0	5	4	0	4	0	0	0	0	0	0	0
ÖK6	5	0	0	4	0	4	0	0	4	3	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			