BIOLOGY OF ALGAE									
1	Course Title:	BIOLOG	Y OF ALGAE						
2	Course Code:	BYL4052							
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):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	none							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Dr. Ögr. Üyesi DİDEM KARACAOĞLU							
15	Course Lecturers:	Yrd.Doç.Dr Didem KARACAOĞLU							
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: didemk@uludag.edu.tr Telefon: 0 224 294 1867 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: didemk@uludag.edu.tr Phone: 0 224 294 1867							
17	Website:								
18	Objective of the Course:	The aim of the course is to teach importance and working area of Algal Biology. The goals are to teach morphological structure of algal groups, reproductions and life cycles of algae, cell structure, algal groups which lives in different habitats (freshwater, marine, brackish, soil flora, snow and ice algal flora, spring water algae), relationships among algae and ecological factors, basic principles of algal physiology, economic aspects of the algae and classification criterions.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Describes morphologic structure of algae.						
		2	Explains separation and life periods of algae.						
		3	Explains cytologic properties of algal cell.						
		4	Compares differences between prokaryotic and eukaryotic algal cell.						
		5	Assesses about composition of alga groups living at different habitat (freshwater algae, marine algae, soil algae,)						
		6	Analyzes basis structural character which are used classification of algae.						
		7	Explains that algal groups have different pigment contents and display variety according to energy needs.						
		8	Explains that algae grow at different medium environment						

		9		xplains alga groups wh							
		10	and that alga groups are used at different applications. Evaluates about information of fossil algae.								
21	Course Content:										
	Course Content:										
Week	Theoretical		Practice								
1	Morphology of algae		Entrance								
2	Separation and life periods of algae		Collection of alg samples from land, diagnosis and be evaluated methods.!								
3	Cytology and genetic properties of alg	gae.	Investigation of alg samples: Cyanobacteria								
4	Alga of fresh water and ecology of the	em	Investigation of alg samples: Euglenophyta and Pyrrophyta								
5	Alga of marine and ecology of them		In	vestigation of alg sam	ples: Bacillariophyta	a					
6	Algae which live specific system		In	vestigation of alg sam	ples: Bacillariophyta	a					
7	Midterm exam, answer of exam quest general discussion	ions and		Midterm exam, answer of exam questions and general discussion							
8	Culture of algae		In	vestigation of alg sam	ples: Bacillariophyta	a					
9	Algae's pigment and energy source		In	vestigation of alg sam	ples: Chlorophyta						
10	Relationship of energy		Investigation of alg samples: Chlorophyta								
11	Rythm and acts at algae.		Investigation of alg samples: Chlorophyta								
	Fossil algae		Investigation of alg samples: Phaeophyta								
Activit				vestigation of alg same Number	Duration (hour)	Load (hour)					
	Malterials:		P	164 ishers, 278pp, 1973	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	14.00					
	als/Labs		le:	14	2.00	28.00					
	dy and preperation		ᅜ	28дрр, 1995.	3.00	42.00					
Homew				0	0.00	0.00					
Projects Field St			_	0	0.00	0.00					
		NUMBE	W	FIGHT	16.00	16.00					
Others	T CAUTIO	R	Щ	0	0.00	0.00					
Final Ex	xams	0		đo	20.00	20.00					
	/ork Load	J	ĮŪ.			120.00					
Fotal M	ork load/ 30 hr	1	6	0.00		4.00					
	Credit of the Course		10			4.00					
	ution of Term (Year) Learning Activities s Grade	es to	40.00								
Contrib	ution of Final Exam to Success Grade)	60.00								
Total			100.00								
Measur Course	rement and Evaluation Techniques Us	sed in the									
24	ECTS / WORK LOAD TABLE		1								

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	3	0	3	0	0	0	0	0	3	3	3	4	0	0	0	0
ÖK2	0	0	3	0	0	3	0	0	3	0	4	3	0	0	0	0
ÖK3	0	0	3	2	0	2	3	0	3	3	4	4	0	0	0	0
ÖK4	5	0	3	3	0	3	4	0	3	3	4	4	0	0	0	0
ÖK5	3	0	3	3	0	4	4	0	3	3	4	4	0	0	0	0
ÖK6	4	0	3	4	0	3	4	0	3	5	4	4	0	0	0	0
ÖK7	0	0	3	3	0	3	4	0	3	4	4	4	0	0	0	0
ÖK8	0	0	3	0	0	3	3	0	3	3	4	4	0	0	0	0
ÖK9	3	0	3	3	0	4	3	0	3	5	4	4	0	0	0	0
ÖK10	4	0	3	4	0	3	4	3	4	5	4	4	0	0	0	0
			O: L	earr	ning (Objec	tive	s P	Q: P	rogra	m Qu	alifica	tions		•	•
Contrib 1 very low ution Level:			2	2 low		3 Medium			4 High			5 Very High				