	THE STRUCTURE	AND I	REPRODUCTION OF ALGAE					
1	Course Title:	THE STI	RUCTURE AND REPRODUCTION OF ALGAE					
2	Course Code:	BIO6301						
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:	Dr. Ögr. Üyesi DİDEM KARACAOĞLU						
15	Course Lecturers:	Prof. Dr. Gamze YILDIZ						
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Didem KARACAOĞLU 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 explain basic concepts of general characteristics and reproduction of algae. The goals are to provide students with basic knowledge in algal distribution, taxonomic and morphologic diversity and life cycles of algae.						
19	Contribution of the Course to Professional Development:	Learns the general characteristics and reproductive structures of algae groups belonging to various divisions. By using the knowledge they have learned to identify algal groups at taxonomic levels, they can apply them in biological diversity inventory and monitoring studies.						
20	Learning Outcomes:							
		1	Be able to describe algal classification and taxonomical diversity					
		2	Be able to describe the structure and functions of reproductive cells at microalgae					
		3	Be able to understand vegetative, asexual and sexual reproduction of microalgae					
		4	Be able to discuss external and intrinsic factors that influence algal reproduction					
		5	Be able to compare reproductive cells of different microalgae groups					

		6	Be able to use identification keys							
		7	Be able to define identify terms for algae							
		8	Be able to distinguish between the different taxonomic groups of microalgae							
		9								
		10								
21	Course Content:	1.0								
		Co	urse Content:							
Week	Theoretical		Practice							
1	Algae, their origins and fosil history o	of algae								
2	Algal classification and taxonomical of									
3	Structural properties of algal cells									
4	Structure of cell wall, chloroplast, flag mitacondri among algal groups	gella and								
5	Midterm exam,answer of exam quest general discussion	tions and								
6	Vegetative, asexual and sexual reproof algae	oduction								
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Theore	CAbrales)	<del> </del>	14	3.00	42.00					
Practica	als/Labs		0	0.00	0.00					
Self stu	Aanthophyceae (Fleterochlondales, Deterococcales, Heterotrichales,		10	3.00	30.00					
Homew			5	10.00	50.00					
Proect:	Classification and structural propertie	es of	2	11.00	22.00					
Field St			2	6.00	12.00					
Mi <b>tl0</b> ern	Cassification and structural propertie	es of	1	5.00	5.00					
Others			2	7.00	14.00					
Final E	Crassilication and structural properties (Cryptomonadales,	-3 <del>UI</del>	1	5.00	5.00					
Total W	ork Load				185.00					
Tola w	Classification and structural propertie OK 10a0/30 fir Dinophyceae	es of			6.00					
	Credit of the Course				6.00					
14	Chloromonadineae Classification and structural propertie Euglenineae	es of								
22	Textbooks, References and/or Other Materials:		F.E. Fritsch. 1971. The Structure and Reproduction of the Algae. Volume I. Cambridge University Press, 791 p.							
23	23 Assesment									
	EARNING ACTIVITIES	NUMBE R	WEIGHT							
Midtern	n Exam	1	40.00							
Quiz		0	0.00							
	vork-project	0	0.00							
Final Ex	kam	1	60.00							

otal 2		100.00					
Contribution of Term (Year) Learning Activities Success Grade	es to	40.00					
Contribution of Final Exam to Success Grade	Э	60.00					
Total		100.00					
Measurement and Evaluation Techniques Us Course	sed in the	The system of relative evaluation is applied.					
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	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK3	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
ÖK6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		<u> </u>	LO: L	earr	ning (	Dbjed	tive	s P	Q: P	rogra	ım Qu	alifica	tions	<b>S</b>	1	<u>I</u>
Contrib ution Level:	on			3 Medium			4 High			5 Very High						