AQUATIC PLANTS (HYDROBIOLOGY SECTION)

1	Course Title:	AQUATIC PLANTS (HYDROBIOLOGY SECTION)	
2	Course Code:	BIO6307	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	5.00	
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. ŞÜKRAN DERE	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Prof. Dr. Şükran DERE sdere@uludag.edu.tr 0 224 294 17 86 Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü Nilüfer BURSA	
17	Website:		
18	Objective of the Course:	The aim of the course is to explain basic concepts of biological and ecological characteristics of aquatic plants. The goal is to introduce varied aquatic plants and their ecological importance in aquatic ecosystems.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Be able to describe the basic morphology of aquatic plants
		2	Be able to discuss the anatomy, and physiology of common aquatic plants
		3	Be able to define major aquatic plants
		4	Be able to define terms related to water-quality management
		5	Be able to explain the effects of various environmental changes on aquatic plants
		6	Be able to explain why aquatic crops may be more productive than terrestrial crops
		7	Be able to use aquatic monitoring programmes
		8	Be able to acquire of personal skills for project design, management, team-working
		9	
		10	
21	Course Content:		

	Course Content:	
Week	Theoretical	Practice
1	General features and habitats of aquatic plants	
2	Classification of aquatic plants: Algae, floating plants, submersed plants, emersed plants, marginal plants	
3	Collecting and preserving methods of aquatic plants	
4	Control methods of aquatic plants: prevention, mechanical and physical, biological, herbicides	
5	Herbicides and their use for aquatic plants	
6	Exam, answer of exam questions and general discussion	
7	Effects of environmental factors on aquatic plants	
8	Ecological relationships among the aquatic species	
9	Aquatic plants management methods	
10	Aquatic plants management methods	
11	Advantages and disadvantages of aquatic plants management techniques	
12	Recent literatures related to aquatic plant management	
13	vegetation control	
14	Materials	
15	Assessment	
16		

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	5.00	70.00
Homeworks	2	10.00	20.00
Projects	3	11.00	33.00
Field Studies	2	8.00	16.00
Midterm exams	1	10.00	10.00
Others	2	7.00	14.00
Final Exams	1	5.00	5.00
Total Work Load			210.00
Total work load/ 30 hr			7.00
ECTS Credit of the Course			5.00

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Midterm Exam	1	40.00
Quiz	0	0.00
Home work project	0	0.00
Final Exam	1	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

Publishers. Second Edition. 158 p.
Kitabı. Ege Üniversitesi Su Ürünleri Fakültesi Yayınları No:58

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	4	3	1	0	4	1	2	2	0	3	5	0	0	0	0	0
ÖK2	4	3	1	0	4	1	2	2	0	3	5	0	0	0	0	0
ÖK3	3	0	5	0	2	2	4	3	3	2	3	0	0	0	0	0
ÖK4	1	0	2	0	1	1	2	1	1	1	2	0	0	0	0	0
ÖK5	3	5	4	5	4	4	3	4	3	4	4	0	0	0	0	0
ÖK6	3	5	4	5	4	3	4	3	3	3	2	0	0	0	0	0
ÖK7	0	1	0	5	0	4	0	0	4	0	0	0	0	0	0	0
ÖK8	0	0	3	0	2	0	4	3	5	3	3	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**				