FORENSIC LIMNOLOGY											
1	Course Title:	FORENSIC LIMNOLOGY									
2	Course Code:	ADB6120									
3	Type of Course:	Optional									
4	Level of Course:	Third Cycle									
5	Year of Study:	1									
6	Semester:	2									
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:	Prof. Dr. NURHAYAT DALKIRAN									
15	Course Lecturers:	Dr. Öğr. Üy. Didem Karacaoğlu									
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: dalkiran@uludag.edu.tr Telefon: 0 224 2941866 Bursa Uludag University Faculty of Arts and Science Department of									
		Biology Gorukle Campus, Nilufer/BURSA e-mail: dalkiran@uludag.edu.tr Phone: 0 224 294 1866									
17	Website:										
18	Objective of the Course:	The aim of the course is to learn the methods and techniques to link suspects to scene of crime, by using the fingerprints of microscopic (especially diatoms) and macroscopic organisms living in freshwater ecosystems.									
19	Contribution of the Course to Professional Development:	Contribution to academic development									
20	Learning Outcomes:										
		1	Obtains information about the basic concepts on Forensic Limnology								
		2	Obtains information about freshwater fingerprint organisms								
		3	To learn to sampling procedures of microscopic algae and other water organisms in crime scene investigations								
		4	To learn how to use diatom test in cases of drowning								
		5									
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	k Theoretical Practice										

1	Introduction to Forensic Limnology									
2	Sampling procedures of microscopic and other water organisms in crime s investigations	algae scene								
3	Fingerprinting organisms; diatoms an dinocysts etc.	nd								
4	Diatom fingerprinting and its importar	nce								
5	Body test using by diatoms									
6	Diatom test and its importance in dro cases	wning								
7	Diatom laboratory procedures (acid o	leaning)								
8	Diatom identification and enumeratio techniques I	n								
9	Diatom identification and enumeratio techniques II	n								
10	Estimating postmortem submersion in by using freshwater organisms	nterval								
11	Limitations of diatoms in criminal stud	dies								
12	Freshwater algal toxins in death case (Cyanotoxins)	es								
13	Case studies; Horton et al 2006									
14	Case studies II									
22	Textbooks, References and/or Other		С	ovle, H. M. (Ed.), (2004	4). Forensic botanv	: principles and				
Activit	es			Number	Total Work Load (hour)					
Theore	tical		H	qrton, B. P., Boreham,	§.എ& Hillier, C. (20 ation of a diatom-b:	0 <u>6).0</u> 5he				
Practic	als/Labs			0	0.00	0.00				
Self stu	dy and preperation		Jo	urnal of forensic scien	5 0051(3), 643-650	70.00 rld of forensic				
Homew	vorks			2	25.00	50.00				
Project	8		K K	rstic, S., Duma, A., Jar . & Noveska. M. (2002	ievska, B., Levkov, Diatoms in foren	Z. Nikolova, Sic expertise of				
Field S	tudies			0	0.00	0.00				
Midterr	n exams			0	0.00	0.00				
Others				0	0.00	0.00				
FERME	A A A A A A A A A A A A A A A A A A A	NUMBE	W	ÉIGHT	25.00	25.00				
Total W	Vork Load					187.00				
Total w	lork lõäd/ 30 hr	0	0	00		6.23				
ECTS (Credit of the Course work-project	2	4	0.00		6.00				
Final E	xam	1	6	0.00						
Total		3	100.00							
Contrib Succes	oution of Term (Year) Learning Activities ss Grade	es to	40.00							
Contrib	ution of Final Exam to Success Grade)	60.00							
Total			10	100.00						
Measu Course	rement and Evaluation Techniques Us	sed in the	Student attendance and participation, homework, written exam							
24	ECTS / WORK LOAD TABLE									

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	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low				2 low			3 Medium		4 High			5 Very High			