	BIOLOG		OSEANOGRAPHY							
1	Course Title:	BIOLOG	BIOLOGICAL OSEANOGRAPHY							
2	Course Code:	BIO5311	1							
3	Type of Course:	Optional								
4	Level of Course:	Second	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:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Doç. Dr.	GAMZE YILDIZ							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	0 224 29	0 uludag.edu.tr 0 41 867 / 718 Üniversitesi Fen Edebiyat Fakültesi Biyoloji Bölümü, 16059, 3URSA							
17	Website:									
18	Objective of the Course:	To provide a basic understanding of the biological processes in the water column and how these are affected by the ambient physicochemical conditions.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Be able to define the major forms of life in the sea, and describe how these forms relate to each other ecologically.							
		2	Be able to explain how marine organisms influence cycling of bioelements.							
		3	Be able to describe prominent characteristics of the primary marine habitats.							
		4	Be able to define processes that control the biomass, growth, and productivity of organisms in the marine environment							
		5	Be able to describe methodological approaches appropriate for evaluating the biomass, growth, and mortality of plankton, nekton, and sessile marine organisms.							
		6								
		7								
		8								
		9								
	· · · · · · · · · · · · · · · · · · ·	10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							

1	Basic e develo							лy										
2	Ecolog enviror																	
3	Abiotic salinite																	
4		biotic environment: Density, Pressure, urface current																
5	Phytop	lank	ton	and p	rimary	/ produ	uction											
6	Marine	plar	nkton															
7	Midterr	n ex	am															
8	Energy	nergy flow and mineral cycling																
9	Nector	ic or	rgan	isms														
10	Benthio	c org	janis	sms														
11		Benthic communities; intertidal environment, ocky shores, kelp forests, sand beaches																
12	Benthio	c cor	nmu	unities	; cora	l reefs	, man	grove	S									
13	Deep s	ea e	ecolo	ogy														
14	Humar	imp	pacts	s on m	narine	biota												
22	Textbo Materia		Ref	erenc	es an	d/or Ot	ther								iologica ier, sec	l ond editi	ion	
23	Assesr	nent	:															
Activit	ctivites								Numb	er		Dura	ition (	· · ·	Total Work Load (hour)			
Phieore	etical						0		0.	99			3.00			42.00		
Practic	als/Lab	3								0					0.00			
<b>Self st</b>	xam idy and	prep	bera	tion			1		60	60190					56.00			
Homew							<b>P</b>			4					40.00			
ENTRE	ution of	Teri	m (\	(ear)	Learn	ing Act	ivities	to	40	40 <sub>2</sub> 00				5.00			10.00	
Field S	Studies									2						14.00		
Midterr	n exam	<b>г</b> ша 5	ar Ez	kam to		cess G	rade		00							10.00		
Others										0					0.00			
MAAPE	asetement and Evaluation Techniques Used in the									1					4.00			
	al Work Load														176.00			
Total w	tal work load/ 30 hr															5.87		
ECTS	Credit of the Course									6.00								
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ	1 P	Q2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	0	0				0		0		+		ł		0		0		

ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			