

MARINE POLLUTION AND BIOLOGICAL EFFECTS

1	Course Title:	MARINE POLLUTION AND BIOLOGICAL EFFECTS	
2	Course Code:	BYL4132	
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):	2.00	
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:	Doç. Dr. Gamze YILDIZ	
17	Website:		
18	Objective of the Course:	The aim of this course is to teach marine pollutants and biological effects of these pollutants on marine ecosystem.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learning the factors cause the marine pollution
		2	Explaining the effects of the marine pollution on marine environment and organisms
		3	Learning the prevent strategies of marine pollution
		4	Learning the international conventions about marine pollution and protection
		5	Taking the responsibility for the protection of marine environments
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21	Course Content:		
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Week	Theoretical	Practice	
1	Defining the pollution and introduction to marine pollution		
2	Physical and chemical properties of marine water, marine ecosystem, currents and biological sources		
3	Pollutants and effects: metal pollution, thermal pollution, radioactive pollution, organic pollution		

4	Pollutants and effects: Microbial contamination	
5	Nutrients cycling and eutrophication	
6	Evolution of trophic status and different trophic index on marine environments	
7	Midterm exam	
8	Coastal pollution by aquaculture activities	
9	Marine pollution from shipping activities and ve exotic species	
10	Anthropogenic CO2 emission and ocean acidification, industrial wastes and marine garbage	
11	Biological effects of marine pollution	
12	Studies of prevent the marine pollution	
13	National policies, regulations and international conventions about marine pollution and protection	
14	Investigations of pollutants and pollution of Turkish seas	

[illegible]

ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			