

COASTAL ENGINEERING

1	Course Title:	COASTAL ENGINEERING	
2	Course Code:	INS4053	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	1.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Adem Akpınar	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	ademakpinar@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	It is aimed to teach students some detail knowledge about wave mechanics, wave transformation, the formation of wind waves and wind hind casting	
19	Contribution of the Course to Professional Development:	To teach coastal hydraulics as a basis for the design of coastal structures.	
20	Learning Outcomes:		
		1	To be able to identifies and classifies the waves
		2	To be able to describes and summarizes the basic concepts related to wave transformation
		3	To be able to conducts wave forecasting by using wind data and understands wave statistics and wave spectrum
		4	To be able to describes and applies basic concepts of coastal sediment transport (shoreline changes, onshore-offshore and longshore transport)
		5	To be able to describes the basic concepts of coastal management
		6	To be able to has information on wave forecasting methods
		7	To be able to makes wave statistic account
		8	To be able to earns about the basic concepts of coastal engineering
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Basic Concepts in Coastal Engineering		
2	Classification of Waves		
3	Basic Equations of Wave Motion	Problem solving	

23	Assesment
----	-----------

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Success Grade Theoretical	14	3.00	42.00
Contribution of Final Exam to Success Grade	60.00		
Practicals/Labs	14	1.00	14.00
Total	100.00		
Self study and preperation	14	5.00	70.00
Homeworks	1	20.00	20.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00

24. ECTS/ WORK LOAD TABLE			
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			152.00
Total work load/ 30 hr			4.87
ECTS Credit of the Course			5.00

[illegible]

ÖK5	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK6	4	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK7	4	4	4	4	5	0	0	0	0	0	0	0	0	0	0	0
ÖK8	3	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			