

Course Title-Course Code: CE 585 DESIGN OF COASTAL STRUCTURES							Name of the Programme:CIVIL ENGINEERING		
Semester	Teaching Methods							Credits	
	Lecture	Recite	Lab.	Field Study	H W	Other	Total	Credit	ECTS Credit
1-2	42	0	0	56	56	34	188	3	7.5
Language	Turkish								
Compulsory / Elective	Optional								
Prerequisites	-								
Course Contents	Design of harbor structures, quays, piers, gravity and floating breakwaters, Seawalls, revetments and groins, Wave forces on vertical walls, rubble mound breakwaters, circular cylinders and pipes, Design of concrete block quay walls, sheet pile walls, piled quay walls, Seismic Design.								
Course Objectives	Design of coastal structures								
Learning Outcomes and Competences	Design ability of coastal structures and planning of coastal projects								
Textbook and /or References	"Shore Protection Manual", U.S. Army Coastal Engineering Research Center, Fourth Edition, U.S. Government Printing Office, Washington, D.C., U.S.A, 1984 "Random Seas and Design of Maritime Structures", Y. Goda, University of Tokyo Press, Tokyo, Japan, 1985. "Coastal Engineering: An Introduction to Ocean Engineering", K. Horikawa, University of Tokyo Press, Tokyo Japan, 1978. "Hydrodynamics of Coastal Regions", Ib.A. Svendsen and I.G. Ivar, Den Private Ingeniorfond, Technical University of Denmark, DK-2800 Lyngby, Denmark, 1980.								
Assessment Criteria								<i>If any, mark as (X)</i>	<b>Percent (%)</b>
	Midterm Exams							X	15-15
	Quizzes								-
	Homeworks							X	10
	Projects							X	20
	Term Paper								-
	Laboratory Work								-
	Other								-
	Final Exam							X	40
Instructors	Associate Prof. Dr. Can E. BALAS								