

Course Title-Course Code: CE 555 COASTAL POLLUTION					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	Coastal Water Pollution Control, Sources and Types of Pollutants, Mass Balance Equation, Turbulent Diffusion, Dispersion, Dilution, Near field and Far field Mixing of Pollutants, Theories of Turbulent Jets and Plumes, Stages of Sea Outfall Design, Hydrographic Design, Trapping Level Statistics, Buoyancy Spreading, Hydraulic Design, Pollutant Transport Models, Heated Discharges, Oil Pollution.								
Course Objectives	Providing civil, environmental and coastal engineers the necessary background for the implementation of a comprehensive wastewater disposal scheme and design of sea outfall structures for a coastal city.								
Learning Outcomes and Competences	Application ability water disposal scheme and sea outfall structures								
Textbook and /or References	Wood R., "Ocean Disposal of Wastes", World Scientific Publ., 1993. Novak, P. (Ed.) "Developments in Hydraulic Engineering-3", Elsevier Applied Sc. Publ., 1985. WHO, "Coastal Pollution Control", World Health Organization, Two Volumes, 1976. Fisher, H. B. et al. "Mixing in Inland and Coastal Waters", 1979.								
Assessment Criteria								<i>If any, mark as (X)</i>	Percent (%)
	<i>Midterm Exams</i>								15-15
	Quizzes								-
	Homeworks								10
	Projects								10
	Term Paper								-
	Laboratory Work								-
	Other								-
	Final Exam								50
Instructors	Associate Prof. Dr. Lale. BALAS								