

Course Title-Course Code: CE 526 SEDIMENT TRANSPORT							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	0	0	146	188	3	7.5	
Language	Turkish									
Compulsory / Elective	Elective									
Prerequisites	-									
Course Contents	Definition and properties of sediment, fall velocity, types of sediment load, concentration distribution, governing equations of suspended sediment, incipient motion of a sediment particle, methods of measurement and calculation of suspended and bed loads, bed forms, scouring at structures, river training and bank protection, sediment transport in pipelines, Intake structures and sediment control, settling basins.									
Course Objectives	To give the basic principles of sediment motion.									
Learning Outcomes and Competences	Gaining the skill of handling and solving the sediment problems									
Textbook and /or References	1-Task Committee (ASCE), 'Sedimentation Engineering' American Society of Civil Engineers (ASCE), 1975. 2- Raudkivi, A.J., 'Loose Boundary Hydraulics' Pergamon Press 1967. 3- Garde, R.R.,and Ranga Raju, K.G., 'Mechanics of Sediment Transportation' Wiley Eastern Ltd., 4- Yalin, M.S., 'Mechanics of Sediment Transport', Pergamon press, 1977.									
Assessment Criteria								<i>If any, mark as (X)</i>	Percent (%)	
	Midterm Exams							X	30	
	Quizzes									
	Homeworks									
	Projects									
	Term Paper									
	Laboratory Work									
	Other									
	Final Exam							X	70	
Instructors	Prof.Dr. Nevzat YILDIRIM									