Course Title-Course Code: CE 597 TRAFFIC ENGINEERING 2					Name of the Programme:CIVIL ENGINEERING				
Semester	Teaching Metho				ods			Credits	
	Lecture	Recite	Lab.	Field Study	нw	Other	Total	Credit	ECTS Credit
1-2	42	0	0	0	70	76	188	3	7.5
Language	Turkish								
Compulsory / Elective	Elective								
Prerequisites	-								
Course Contents	Volume, speed and travel time studies. Measurement techniques of fundamental traffic stream characteristics. Statistical distributions, traffic stream models. Capacity of rural highways, freeways, signalled intersections. Traffic management techniques. Introduction to microscopic traffic flow theory. Traffic flow models. Introduction to principles of intersection and signalization. Signal timing design. Capacity and level of service analysis of urban streets and intersections.								
Course Objectives	Provision of basic principles of microscopic traffic flow theory and traffic flow models. Introduction to signalization and signal timing design. Introduction of highway capacity methodologies for analysis of urban streets and intersections.								
Learning Outcomes and Competences	Understanding of the principles of macroscopic traffic flow theory. Acquisition of knowledge and skills to design signalized intersections and to perform capacity and level of service analyses of urban streets and intersections.								
/or References	 Cole Publishing, Pacific Grove, CA, 1999. Roess, R.P., McShane, W.R., and Prassas, E.P., "Traffic Engineering, 2nd Ed.", Prentice Hall, Upper Saddle River, New Jersey, 1998. Pline, J.L.(ed), "Traffic Engineering Handbook", 4thEd.,Prent.Hall, NewEnglewood Cliffs, NJ, 1992. May, A.D., "Traffic Flow Fundamentals", Prentice Hall, Englewood Cliffs, New Jersey. "Highway Capacity Manual 2000", Transportation Research Board, National Research Council, Washington DC, 2000. Özdirim, M., "Traffik Mühendisliği Cilt 1-2, Bayındırlık ve İskan Bakanlığı, KGM,1994. 								
Assessment Criteria							Ij a	f any,mar s (X)	k Percent (%)
	Midterm Exams							X	30
	Quizzes								
	Homeworks							30	
	Projects								
	Term Paper								
	Laboratory Work Other								
	Final Ex	am						X	40
Instructors	Asst. Pro	f. Dr. Cerr	al AYVA	LIK					