

Course Title-Course Code: CE 544 TRAFFIC SAFETY PLANNING							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	56	90	188	3	7.5	
Language	Turkish									
Compulsory / Elective	Elective									
Prerequisites	-									
Course Contents	Introduction, causes of traffic accidents, statistical report on road accidents, safety effectiveness of highway design elements, identification of problem locations, accidents reporting systems, education and training, rescue and hospital services.									
Course Objectives	Introduction of factors that cause traffic accidents and factors to consider in the design and operation of highways. Provision of necessary knowledge and skills for collection of data pertaining to traffic accidents and data evaluation through scientific methods.									
Learning Outcomes and Competences	Understanding of factors that cause traffic accidents and factors to consider in the design and operation of highways. Acquisition of necessary knowledge and skills for collection of data pertaining to traffic accidents and data evaluation through scientific methods.									
Textbook and/or References	<ol style="list-style-type: none"> Lamm, R. et.al., "Highway Design and Safety Engineering Handbook, McGraw-Hill, NY 1999. Garber, N.J. and Hoel, L.A., "Traffic and Highway Engineering, 2nd Ed.", PWS Brooks and 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., Prentice Hall, New Englewood Cliffs, New Jersey, 1992. Tunç,A., "Yol Güvenlik Mühendisliği ve Uygulamaları", Asil Yayın Dağıtım, Ankara, 2004. Commission of the European Communities, "European Road Safety Action Programme, Halving The Number Of Road Accident Victims In The European Union By 2010:A Shared Responsibility", White Paper, Brussels, 2003. <p>"Karayolu İyileştirme ve Trafik Güvenliği (KİTGİ) Trafik Güvenliği Projesi Türkiye İçin Ulusal Trafik Güvenliği Programı, Ana Rapor", İçişleri Bakanlığı, Milli Eğitim Bakanlığı, Bayındırlık Ve İskan Bakanlığı, Sağlık Bakanlığı, Gazi Üniversitesi, SweRoad, Aralık 2001.</p>									
Assessment Criteria							<i>If any, mark as (X)</i>	Percent (%)		
	Midterm Exams						X	15		
	Quizzes									
	Homeworks						X	15		
	Projects									
	Term Paper						X	30		
	Laboratory Work									
	Other									
	Final Exam						X	40		
Instructors	Asst. Prof. Dr. Cemal AYVALIK									

