Course Title-Course Code: CE 620 EARHQUAKE ENGINEERING AND GEOLOGY	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, principles of plate tectonics, faults, tectonic earthquakes, volcanic earthquakes, collaps and monitored earthquakes, distribution of earthquakes on the earth, seismology of Turkey, impact of earthquakes, seismic hazard, seismic risk, earthquake hazard forecast, paleoseismology, earthquakes energy, earthquake magnitude, liquefaction, construction on the seismic area, earthquake proof buildings.
Course Objectives	Advance knowledge about geological formation of earthquake and earthquake engineering
Learning Outcomes and Competences	Understanding of earthquake engineering and learning to improve new earthquake forecast techniqs
Textbook and /or References	Pampal,S., 2000, “Depremler”, 283 s., Alfa Yayınları Mogi,K.,1979,”Earthquake Prediction”, Academic press Hamblin, K., 1992, “Earth Dynamics”, McMillan Company, USA

Assessment Criteria		*If any,mark as (X)*	Percent (%)
	Midterm Exams	X	20
	Quizzes		
	Homeworks		
	Projects		
	Term Paper	X	20
	Laboratory Work		
	Other		
	Final Exam	X	60

Instructors	Prof. Dr. Süleyman PAMPAL