

Course Title-Course Code: CE 523 EXPERIMENTAL METHODS IN ENGINEERING							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	Principles of model analysis, model designing, principles at loading, ways of applying load, load frames, load distribution mechanisms, safety, strain measurement, electrical strain measures, other strain (and stress) indicators, displacement measurements, rotation measurements, dynamic measurements, scalling, data analysis.								
Course Objectives	Planning of experimental studies on structural mechanics, model dimensions, calculation and planning of loading and measurement setup.								
Learning Outcomes and Competences	Understaning of experimentials studies on structural mechanics and behaviour of structures.								
Textbook and /or References	Research papers PhD and master of science thesis. Experimental laboratory works Lecture notes, Prof. Dr. Tuğrul TANKUT								
Assessment Criteria								<i>If any, mark as (X)</i>	<b>Percent (%)</b>
	Midterm Exams							X	10
	Quizzes								-
	Homeworks							X	5
	Projects								-
	Term Paper							X	5
	Laboratory Work							X	10
	Other								-
	Final Exam							X	70
Instructors	Assist. Prof. Dr. Yusuf DEMİREL								