

IM 528 SPECIAL CONCRETES				CIVIL ENGINEERING			
Semester	Methods of Education					Credits	
	Lecture	Recit	Lab.	Other	Total	Credit	ECTS Credit
2	42	-	-	-	42	3	7,5
Language	Turkish						
Compulsory / Elective	Optional						
Prerequisites	-						
Catalog Description	Concrete as a structural material. Cement. Microscopic structure, concrete as a composite material. Micro cracks. Fracture stress-strain characteristics. Concrete additional materials. Pump concrete, blow concrete, weak concrete, heavy concrete, fibre concrete, polymer concrete, polymer nursed concrete. Concrete repairing. High strength concrete. Pressed concrete by road roller, resistance properties.						
Course Objectives	<ul style="list-style-type: none"> -Teaching the material properties of concrete, aggregate and other chemical materials which used in concrete. -The effect of the percentage usage of these materials. -The usage and production fields of different concretes. 						
Course Outcomes	<ul style="list-style-type: none"> -Learn the chemical and physical properties of concrete. -To decide which type concrete will be used for special practices and heat differences. 						
Textbook and /or References	- My lecture notes.						
Assessment Criteria						Quantity	Percentage
	Midterm Exams					1	30
	Quizzes					-	-
	Homeworks					2	10
	Projects					-	-
	Term Paper					-	-
	Laboratory Work					-	-
	Other					-	-
	Final Exam					1	60
Course Category by Content (%)	Mathematics and Basic Sciences					30	
	Engineering Science					70	
	Engineering Design					-	
	Social Sciences					-	
Instructors	Prof.Dr. Abdussamet ARSLAN						