

COURSE IDENTIFICATION FORM

Course Code and Name: IM5046 SHELL AND PLATE THEORY

Department of : CIVIL ENGINEERING / MASTER PROGRAMME

Semester	Theoretic Hour	Practice Hour	Total Hour	Credits	ECTS	Education Language	Type: Compulsory Elective
Atumn/Spring	3	0	3	3	5	Turkish	Optional
Prerequisite (s)							
Instructor						Mail : Web :	
Course Assistant						Mail : Web :	
Groups / Classes							
Course Aim		To provide understanding of the behavior of plates under vertical loads, to determine the behavior of simple plates under vertical loads using plate equations. To provide understanding of complex problems of plate theory. To solve plate problems using various numerical methods.					
Course Goals		Calculation of floors and/or similar elements with different geometry according to plate theory.					
Course Learning Outs and Proficiencies		<ul style="list-style-type: none">• Examination of plate problems in structural engineering• Understanding the behavior of plate type structural load-bearing systems under vertical loads,• Developing appropriate solutions to problems that arise in structural design,• Understanding the basic problems of plate theory.					
Course Basic and Auxiliary Contexts		<ul style="list-style-type: none">• Reddy, J. N. (2003). <i>Mechanics of laminated composite plates and shells: theory and analysis</i>. CRC press.					
Methods of Give a Lecture		Face to Face					

Assessment Criteria		If Available, to Sign (x)	General Average Percentage (%) Rate
	Midterm Exam	X	50
	1. Quiz		
	2. Quiz		
	3. Quiz		
	4. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Exam	X	50
Semester Course Plan			
Week	Subjects		
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			