

TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture
Architecture

Course Information

WOOD AND STEEL STRUCTURES					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ARC239	Fall	2	0	2	3

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Lect. Hüseyin SAÇ
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	To teach the calculation of constructions and constructions to be made by using wood and steel material.
Contents of the Course	General Information about Wood and Steel Materials, Loads and Load Connections in Wood and Steel Structures, Tension Bars, Pressure Bars, Bending Elements, Bending and Pressure Elements, Simple Connections

Learning Outcomes of Course

#	Learning Outcomes
1	Student will be able to calculate design loads of wooden and steel structural elements.
2	Student will be able to make calculations of wooden and steel structural elements
3	Student will be able to calculate the joining and joining devices used in wooden and steel structures.
4	Student will be able to calculate the joining and joining devices used in wooden and steel structures....
5	Students will be able to understand and interpret current methods by recognizing the importance of following current specifications

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction to Wood and Steel as a Building Material, Effective Loads and Load Connections in Wooden House Steel Structure Design.	
2	Design of Pull Bars	
3	Design of Pull Bars	
4	Design of Pressure Bars	
5	Design of Pressure Bars	
6	Design of Pressure Bars	
7	Design of Bending Sticks	
8	Design of Bending Sticks	
9	Midterm Exam 1	
10	Bending and Pressure Working Rods Design	

11	Bending and Pressure Working Rods Design	
12	Simple Connections	
13	Simple Connections	
14	Simple Combinations Intermediate Evaluation	
15	Eccentric Connections	
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1			
2			
3			
4			

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Student will be able to calculate design loads of wooden and steel structural elements.		
2	Student will be able to make calculations of wooden and steel structural elements		
3	Student will be able to calculate the joining and joining devices used in wooden and steel structures.		
4	Student will be able to calculate the joining and joining devices used in wooden and steel structures....		
5	Students will be able to understand and interpret current methods by recognizing the importance of following current specifications		

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	14	1	14
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	5	5
8	Midterm Exam	1	1	1
9	Quiz	1	1	1
10	Homework	1	6	6
11	Midterm Project	0	0	0

12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	6	6
16	Final Exam	1	1	1
				90