

Vocational School / Construction Technology
2024 - 2025 Academic Year
STEEL CONSTRUCTION
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
STEEL CONSTRUCTION	İNŞ2277050	Spring Semester	2+0	2	3
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Lect. Can DURMUŞ				
Name of Lecturer(s)	Lect. Can DURMUŞ				
Assistant(s)					
Aim	It is aimed to teach necessary fundamental principles and calculations for the design of steel structures.				
Course Content	This course contains; 1. Steel Structures Unification Points,2. Steel Structures Unification Points,3. Steel Structures Unification Points,4. Steel Structures Unification Points,5. Steel Structures Point Details,6. Steel Structures Point Details,7. Steel Structures Point Details,8. Steel Structures Tension Rods,9. Steel Structures Tension Rods,10. Steel Structures Tension Rods,11. Compression Members in Steel Structures,12. Compression Members in Steel Structures,13. Compression Members in Steel Structures.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Make the accounts of stress of joint members, to design the junction point.			14, 16, 6, 9	A	
2. detail the connection points of the design drawings.			14, 16, 6, 9	A	
Teaching Methods	14: Self Study Method, 16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	1. Steel Structures Unification Points				
2	2. Steel Structures Unification Points				
3	3. Steel Structures Unification Points				
4	4. Steel Structures Unification Points				
5	5. Steel Structures Point Details				
6	6. Steel Structures Point Details				
7	7. Steel Structures Point Details				
8	8. Steel Structures Tension Rods				
9	9. Steel Structures Tension Rods				
10	10. Steel Structures Tension Rods				
11	11. Compression Members in Steel Structures				
12	12. Compression Members in Steel Structures				
13	13. Compression Members in Steel Structures				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Course PresentationsDeren, H., Uzgider, E., Piroğlu, F, Çağlayan, Ö., "Çelik Yapılar -2007 Deprem Yönetmeliğine Uyarlanmış Emniyet Gerilmesi Esasına Göre Hesap", Fourth Edition (2012), Çağlayan Kitabevi.