



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Steel Structures							
Course Code		İNA207		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		With this course, the student will be able to apply design principles of selected steel construction.							
Course Content		Will be able to design joining points, tensile and pressure elements in steel structures							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Ins. İbrahim Engin ÖZTÜRK							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Steel Constructors (Prof. Dr. Hilmi Deren, Prof. Dr. Erdoğan Uzgider, Associate Professor Filiz Piroğlu, Assistant Prof. Dr. Özden Çağlayan
2	Steel Constructions (M.KARADUMAN)

Week	Weekly Detailed Course Contents	
1	Theoretical	Joining Points in Steel Plans
2	Theoretical	Joining Points in Steel Plans
3	Theoretical	Joining Points in Steel Plans
4	Theoretical	Joining Points in Steel Plans
5	Theoretical	Steel Structure Point Details
6	Theoretical	Steel Structure Point Details
7	Theoretical	Steel Structure Point Details
8	Theoretical	Steel Structure Point Details
9	Intermediate Exam	Midterm
10	Theoretical	Steel Plate Drawers
11	Theoretical	Steel Plate Drawers
12	Theoretical	Steel Plate Drawers
13	Theoretical	Steel Plumbing Pressure Bars
14	Theoretical	Steel Plumbing Pressure Bars
15	Theoretical	Steel Plumbing Pressure Bars
16	Final Exam	Semester final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	5	5
Project	1	0	5	5
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Design of joints in steel structures
2	Design of tension and pressure elements in steel structure
3	Steel Structure Point Details
4	Steel Plate Drawers
5	Steel Plumbing Pressure Bars

**Programme Outcomes** (*Construction Technology*)

1	Being able to have professional knowledge and skills as a result of being supported by the application on vocational qualifications gained in secondary education
2	To choose and use building materials
3	Building installations can be done
4	Applying concrete technology
5	Construction of roads
6	To be able to make professional computer applications
7	Technical drawings
8	Making professional drawing
9	Bidding and contracting
10	To be able to organize the site
11	Control and documentation of manufacturing
12	Can make application of building repair and strengthening works
13	To be able to determine soil types and make soil tests
14	Can control water supply and transmission activities
15	Making waste treatment facilities for polluting resources
16	Projecting of construction elements
17	Being able to make a professional project
18	Make land measurements
19	To be able to make professional practices

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2
P1	5	5
P2	4	4
P5	4	4
P6	4	4
P8	4	4
P10	4	4
P12	4	4
P16	4	4
P17	4	4
P19	4	4

