AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Construction Statics								
Course Code	İNA106		Couse 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 determine the internal force properties of the isostatic conveyor systems and determine the necessary information for the design and determine the magnitude of the water force coming from the submersed surfaces with the liquid pressure.								
Course Content	Will be able to calculate isostatic beams, plane frames, internal force calculations and graphic drawings of three-hinged systems, and bar strength calculations of isostatic plane cages.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. Hasan BARIŞIK								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Building Construction (H.CAN)
2	Structure Statue (Prof. Mustafa KARADUMAN)
3	Building Strucure (Instructor Şanser DURAN)

Week	Weekly Detailed Course Contents	
1	Theoretical	Isostatic Beams
2	Theoretical	Isostatic Beams
3	Theoretical	Isostatic Beams
4	Theoretical	Isostatic plane frames
5	Theoretical	Isostatic plane frames
6	Theoretical	Isostatic plane lattice systems
7	Theoretical	Isostatic plane lattice systems
8	Theoretical	Three hinged systems
9	Intermediate Exam	Midterm
10	Theoretical	Three hinged systems
11	Theoretical	Three hinged systems
12	Theoretical	Hydrostatic pressure
13	Theoretical	Hydrostatic force
14	Theoretical	Impact of Hydrostatic Strength
15	Theoretical	Impact of Hydrostatic Strength
16	Final Exam	Semester final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	4	0	2	8
Reading	2	0	1	2
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	Internal force calculations and graphic drawings of isostatic beams
2	Internal force calculations and graphic drawings of isostatic plane frames
3	The calculation of the bar forces of the isostatic plane cages
4	Will be able to make internal force calculations and graphical drawings of three-hinged systems.
5	Hydrostatic force

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	L3
P1	5	5	5
P6	3	3	3
P7	3	3	3
P8	3	3	3
P12	4	4	4
P13	3	3	3
P16	4	4	4
P17	4	4	4
P19	4	4	4