AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Mechanics and Statics								
Course Code	İNA105		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 make basic calculations for the design of building elements.								
Course Content	Mechanical quantities can be used in SI unit, arithmetic operations with scalar and vector magnitudes, component and composition calculations of force magnitude, calculation of torque magnitude at a strong point, support calculations of statically determinate beams.								
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	Static with Resolved Examples (Prof. Dr. Mehmet Emin TUNA)
2	Resolved Static-Strength Problems (Prof. Dr. A. Yalçın AKÖZ,

Week	Weekly Detailed Course Contents	
1	Theoretical	Measurement Units
2	Theoretical	Measurement Units
3	Theoretical	Scales and Vector Sizes
4	Theoretical	Scales and Vector Sizes
5	Theoretical	Component and Compound Operations in Forces
6	Theoretical	Component and Compound Operations in Forces
7	Theoretical	Component and Compound Operations in Forces
8	Theoretical	Moment at one point
9	Intermediate Exam	Midterm
10	Theoretical	Moment at one point
11	Theoretical	Moment at one point
12	Theoretical	Bearing Responses
13	Theoretical	Bearing Responses
14	Theoretical	Bearing Responses
15	Theoretical	Bearing Responses
16	Final Exam	Semester final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	10	0	1	10
Project	1	0	2	2
Reading	8	0	1	8
Midterm Examination	1	1	0	1

Final Examination	1	1	0	1
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Use of mechanical sizes in SI units
2	Arithmetic operations with scalar and vector size
3	Calculate component and composition of force magnitude
4	Calculating the moment magnitude at a point of force
5	Will be able to make support calculations for isostatic beams

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	L4	L5
P1	5	5	5	5	5
P5	3	3	3	3	
P11	4	3	4	3	3
P12	4	4	4	4	4
P16	4	4	4	4	4
P17	4	4	4	4	4
P19	4	4	4	4	4