



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Construction Restoration and Strengthening							
Course Code		İNA152		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		With this course, the student will be able to identify the damaged structure and prepare for repair and strengthening							
Course Content		It will be able to detect and prepare damage areas in damaged structure Create materials lists for applications, Build scaffolding and platforms for repair and reinforcement							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Lecture notes prepared by responsible teacher will be used
2	All books, brochures, magazines and web pages related to Professional Practices

Week	Weekly Detailed Course Contents	
1	Theoretical	Damage Detection
2	Theoretical	Damage Detection
3	Theoretical	Relay Work
4	Theoretical	Non-Destructive Testing
5	Theoretical	Non-Destructive Testing
6	Theoretical	Non-Destructive Testing
7	Theoretical	Strengthening in Buildings
8	Theoretical	Strengthening in Buildings
9	Intermediate Exam	Midterm
10	Theoretical	Preliminary Preparation for Damaged Area
11	Theoretical	Preliminary Preparation for Damaged Area
12	Theoretical	Material Supply
13	Theoretical	Pier and Platform
14	Theoretical	Repair and Strengthening
15	Theoretical	Repair and Strengthening
16	Final Exam	Semester final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	4	0	5	20
Project	3	0	5	15
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Will be able to detect damaged areas in damaged structure
2	He will be able to prepare damage areas
3	It will be able to create material lists for applications
4	He will be able to build scaffolds and platforms for repair and reinforcement
5	Repair and reinforcement

**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
P2	4	4	4	4	4
P4	4	4	4	4	4
P12	5	5	5	5	3
P15	3	3	3	3	3

