



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Construction Materials							
Course Code		İNA103		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		This course aims to understand the general properties of the main materials used in the profession of the student.							
Course Content		To be able to classify building materials according to the places of use, To determine the physical properties of materials, natural and artificial, conductive and insulating building materials.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Korkmaz YILDIRIM							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Materials Science (M.Selçuk GÜNER)
2	All sources and internet sites related to building materials

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition and classification of building materials and sampling methods
	Practice	Definition and classification of building materials and sampling methods
2	Theoretical	Methods of determining physical, mechanical and chemical properties.
3	Theoretical	Methods of determining physical, mechanical and chemical properties.
4	Theoretical	Identification and properties of concrete components
	Practice	Identification and properties of concrete components
5	Theoretical	Identification and properties of metal and wood materials
6	Theoretical	Identification and properties of metal and wood materials
7	Theoretical	Identifying wall components, flooring and roofing materials
8	Theoretical	Identifying wall components, flooring and roofing materials
9	Intermediate Exam	Midterm
10	Theoretical	Classification of thermal insulation materials
11	Theoretical	Classification of sound insulation materials
12	Theoretical	Classification of waterproofing materials
13	Theoretical	Classification of waterproofing materials
14	Theoretical	Classification of fireproofing materials
15	Theoretical	Classification of fireproofing materials
16	Final Exam	Semester final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	3	0	2	6
Reading	1	0	1	1
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	To be able to classify building materials according to their places of use
2	Determining physical properties of materials
3	Classify natural and artificial materials
4	Determining the areas of use of the properties of conductive and insulating building materials
5	Identification and properties of concrete components

### 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
P1	5	5	5	5
P2	5	5	5	5
P3	3	3	3	3
P4	5	5	5	5
P5	3		3	
P10	3	5	3	3
P11	3	3	3	3
P12	5	5	5	5
P13	3	3	3	3
P14	3	3	3	3
P15	3	3	3	3
P16	4	4	4	4
P19	4	4	4	4

