AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Precast Construction Systems						
Course Code	İNA153		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 recognize the elements of the selected prefabricated structure and apply the assembly detail drawing principles.						
Course Content	To be able to recognize wood, steel reinforced concrete, prefabricated building elements and comprehend assembly principles						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Discussion, Project Based Study, 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	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	Wooden prefabric building elements
2	Theoretical	Mounting steps
3	Theoretical	Materials and methods to be used in insulation
4	Theoretical	Basic details of wooden prefabricated structure
5	Theoretical	Types of steel prefabricated structures
6	Theoretical	Structural elements in steel prefabricated structures
7	Theoretical	Mounting principles of building elements
8	Theoretical	Mounting principles of building elements
9	Intermediate Exam	Midterm
10	Theoretical	Steel prefabricated insulation
11	Theoretical	Selection of reinforced concrete prefabricated building system
12	Theoretical	Reinforced concrete prefabricated columns
13	Theoretical	Reinforced concrete prefabricated beams
14	Theoretical	Reinforced concrete prefabricated walls, upholstery
15	Theoretical	Reinforced concrete prefabricated foundation
16	Final Exam	Semester final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	5	10
Project	2	0	5	10
Laboratory	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	To be able to grasp wooden prefabricated building elements
2	To be able to recognize steel prefabricated building elements
3	Being able to recognize reinforced concrete prefabricated building elements and comprehending installation principles
4	Steel prefabricated insulation
5	Selection of reinforced concrete prefabricated building system

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
P2	4	4	4
P10	4	4	4
P12	4	4	4
P14	3	3	3
P15	3	3	3
P16	4	4	4
P17	4	4	4
P19	3	3	3