AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Hydraulic and Hydrology								
Course Code	İNA252		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Understanding the definition and importance of hydrology. Be able to comprehend pressure and account principles that waters have made. Be able to understand currents in pipes and open channels.								
Course Content	After giving basic theoretical information, theoretical knowledge should be reinforced by carrying out experiments supporting this information. This course, which forms the basis of water and water structures, should emphasize the importance.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Teaching staff lecture notes
2	Hydraulics and hydrology Prof.Dr.Mehmetcik BAYAZIT

Week	Weekly Detailed Course Contents	
1	Theoretical	-Hydrology
2	Theoretical	-Hydrology
3	Theoretical	-Hydrology
4	Theoretical	-Stasis of liquids
5	Theoretical	-Stasis of liquids
6	Theoretical	-Hydraulic
7	Theoretical	-Hydraulic
8	Theoretical	-Hydraulic
9	Intermediate Exam	-Midterm
10	Theoretical	-Pipe Flows
11	Theoretical	-Pipe Flows
12	Theoretical	-Pipe Flows
13	Theoretical	-Free-surface currents
14	Theoretical	-Free-surface currents
15	Theoretical	-Free-surface currents
16	Final Exam	-Semester final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	1	0	10	10
Seminar	1	0	10	10
Term Project	1	0	10	10
Project	1	0	20	20
Laboratory	1	0	10	10
Individual Work	1	0	10	10
Midterm Examination	1	0	1	1

Final Examination	1	0	1	1
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding the definition and importance of hydrology.
2	Be able to comprehend pressure and account principles that waters have made.
3	Be able to understand currents in pipes and open channels
4	-Free-surface currents
5	Pipe Flows

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
P1	4
P2	4
P3	4
P7	3
P8	3
P10	4
P19	4