AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Soil Mechanics I								
Course Code	İNA201			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 determine the engineering properties of the floors by using the floor mechanics laboratory equipments.								
Course Content	By using the method appropriate to the standard, He will be able to carry out the necessary experiments to determine the physical properties of the soil sample. He will be able to determine the consistency limits according to the soil-water relationship. It will be able to report the results of the experiment.								
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)	Ins. İbrahim Engin ÖZTÜRK								

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

Recommended or Required Reading	
1	Ground Mechanics Dr. Kutay Ozaydin
2	Soil Mechanics Laboratory Experiments and Problems
3	Lecture notes prepared by responsible teacher will be used
4	All books, brochures, magazines and web pages related to Professional Practices

Week	Weekly Detailed Course Contents	
1	Theoretical	General structure of soils in terms of environmental geotechnics
2	Theoretical	Inspection pits
3	Theoretical	Sampling methods from the ground
4	Theoretical	Water content, Ground inspection report
5	Theoretical	Wet Sieve Analysis
6	Theoretical	Relative density in fine grained soils (specific gravity)
7	Theoretical	Relative density in medium and coarse grained soils (specific gravity)
8	Theoretical	Relative density in medium and coarse grained soils (specific gravity)
9	Intermediate Exam	Midterm
10	Theoretical	Of course unit volume weight (sand subject method)
11	Theoretical	Diameter distribution of fine granular soils (Hydrometer method)
12	Theoretical	Liquid limit experiment with Casagrande device
13	Theoretical	Liquid limit experiment with cone submersible
14	Theoretical	Plastic limit test
15	Theoretical	Relay limit test
16	Final Exam	Semester final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	1	2
Project	3	0	10	30
Laboratory	2	0	1	2
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	Using the method appropriate to the standard, it will be able to sample from the ground.
2	He will be able to carry out the necessary experiments to determine the physical properties of the soil sample.
3	Will be able to determine consistency limits according to soil-water relationship
4	It will be able to report the results of the experiment
5	Plastic limit test

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
P5	4	4	4	4
P10				3
P12	4	4	4	4
P13	4	3	3	4
P14	3	3	3	3
P15	3	3	3	3
P16	4	4	4	4
P18	4	4	4	4
P19	3	3	3	3