



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Water Analysis							
Course Code		LBT207		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		To give basic information about the characteristics, monitoring, quality and control of surface and groundwater resources.							
Course Content		The meaning and significance of physical, chemical, biological and radiological water quality parameters for lakes, rivers and groundwater, rivers, lakes and grounds, water quality and quantity, pollutant sources, useful use purposes, water quality criteria and standards, water quality monitoring studies Water quality control for six waters							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Individual Study					
Name of Lecturer(s)		Ins. Burcu KESER							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Öğretim Elemanı Ders Notları
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Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of water quality and useful uses of water
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
2	Theoretical	Streams and their properties
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
3	Theoretical	Water quality monitoring studies in rivers
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
4	Theoretical	Water quality monitoring studies in rivers
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
5	Theoretical	Water quality and control in rivers
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
6	Theoretical	Water quality and control in rivers
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
7	Theoretical	Lakes and their features
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
8	Intermediate Exam	Mid-term Exam
9	Theoretical	Water quality monitoring and evaluation studies in the lakes
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
10	Theoretical	Parameters to be monitored in the lakes
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
11	Theoretical	Water quality control in lakes



11	Practice	Sample examination
	Preparation Work	Preparing material which about topic
12	Theoretical	Characteristics of underground waters and monitoring studies
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
13	Theoretical	Parameters to be monitored in underground waters
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
14	Theoretical	Water quality and control in underground waters
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
15	Theoretical	General evaluation
	Practice	Sample examination
	Preparation Work	Preparing material which about topic
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Midterm Examination	1	10	1	11
Final Examination	1	20	2	22
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To gain basic science knowledge
2	Gaining information about determining and interpreting the quality of surface and groundwater resources
3	Gaining information about water resources improvement and development works
4	Having knowledge about water regulations
5	Definition of water quality and useful uses of water

Programme Outcomes (Laboratory Technology)

1	To be able to comprehend social, cultural and social responsibilities, to be able to follow national and international contemporary problems and developments
2	Atatürk is bound to Atatürk nationalism in the direction of principles and reforms; Adopting the national, moral, spiritual and cultural values of the Turkish people, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; Have a love of language and a consciousness; To have the ability to use as much of a foreign language as he would need to read, taste and habit and professionally.
3	To be able to recognize the basic hardware units and operating systems of a computer, having information about internet usage and preparing documents, spreadsheets and presentations on computer by using office programs.
4	Acquires theoretical and practical knowledge at the basic level in mathematics, science and vocational field.
5	With the knowledge of laboratory technology in the field, he knows and analyzes problems, brings interpretation of data and suggests solutions.
6	In laboratories, according to the prepared business plan and program, necessary work can be done to obtain the desired quality products.
7	To have professional and ethical responsibility in business life.
8	Development and change are open, follow scientific social and cultural innovations, and develop themselves constantly.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4
P4	5	5	5	5
P5	5	5	5	5

