



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Agricultural Structures and Irrigation							
Course Code		ZYD242		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	72 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Agricultural structures and irrigation practices and the related general concepts about the problems of the country.							
Course Content		Plants, water consumption, irrigation program preparation, construction and facilities include project planning.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Kültürteknîği Giriş. (O. Tekinel, 1995. Çukurova University, Faculty of Agriculture Textbook : 96, Adana
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Week	Weekly Detailed Course Contents	
1	Theoretical	Use of land and water resources in the optimum manner.
2	Theoretical	Promotion and protection of soil and water resources.
3	Theoretical	Water consumption of a variety of plants, irrigation schemes
4	Theoretical	Comparison of different methods of irrigation
5	Theoretical	Examination of the structural problems of drainage and
6	Theoretical	All necessary planning, building and facilities are in various stages of production.
7	Theoretical	All necessary planning, building and facilities are in various stages of production.
8	Intermediate Exam	midterm exam
9	Theoretical	All necessary planning, building and facilities are in various stages of production.
10	Theoretical	Design and construction of buildings and facilities.
11	Theoretical	Design and construction of buildings and facilities.
12	Theoretical	Design and construction of buildings and facilities.
13	Theoretical	Providing structural and physical development of agricultural holdings and examine long-term effects of the measures.
14	Theoretical	Agricultural enterprises drinking water supply and waste water systems.
15	Theoretical	Crop simulation modeling environment.
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Reading	14	0	3	42
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				72
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to comprehend agricultural structures and irrigation issues
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2	To be able to comprehend soil and water resources, planning, conservation and sustainable use of the ability
3	Knows irrigation methods
4	Plans all the necessary structures and facilities at various stages of production
5	Knows the supply of drinking and potable water and waste water systems in agricultural enterprises

Programme Outcomes (Olive Cultivation and Olive Processing Technology)

1	To be able to identify olive, soil and water and to having knowledge these
2	To be able to comprehend knowledge botany and fruit growing
3	To be able to comprehend table olive technology and to apply
4	To be able to comprehend knowledge basic biochemistry and olive oil chemistry and to have olive oil with modern and traditional systems, to have knowledge olive oil refinery, basic process and to have apply olive oil extraction
5	To be able to preserve olive and olive products in appropriate condition
6	To be able to comprehend growing olive plant with necessary agricultural methods and to have general maintenance of olive tree
7	To be able to evaluate olive by-products
8	To be able to comprehend knowledge about vegetable genetic
9	To be able to comprehend knowledge occupational safety and have apply first aid
10	To be able to apply necessary laboratory analysis in olive and olive products production
11	To be able to apply hygiene and sanitation rules in factory
12	To be able to comprehend knowledge of professional ethics and responsibility
13	To be able to comprehend knowledge marketing of olive products and to have olive management
14	To be able to communicate verbally and literally
15	To be able to comprehend planning olive growing and production area
16	To be able to comprehend knowledge vegetable ecology and protection of environment

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

	L1	L2
P1	3	3
P4	4	4
P6	2	2
P15	5	5

