AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Agricultural Structures and Irrigation						
Course Code	ZYD242		Couse 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	Kültürtekniğe Giriş. (O. Tekinel, 1995. Çukuova University, Faculty of Agriculture Textbook : 96, Adana

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

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 *(Organic Agriculture)*

1	To have university life, to use computer technology and to have skills for raising of scientific data
2	To produce according to organic agriculture rules
3	To know and apply starter to organic agriculture,and to get product certification
4	To know genetic for organic vegetable and animal species
5	To know and apply organic production principle and regulations and protection of environment
6	Understand and apply production techniques for organic vegetable and animal
7	To understand control methods for diseases and pests in organic agriculture
8	Having knowledge of quality control, preserving and marketing of organic products
9	To having knowledge equipments and methods for new agricultural technologies
10	To have knowledge of proffessional ethics and responsibility
11	Ability to work in team and individual
12	To communicate orally and in writing
13	To have adopt life-long learning importance and to have follow professional developments

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

	L1	L2	L3
P3		3	
P4	3		
P5		2	
P7		2	
P9	5	3	3
P11	2		
P13			2