AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Irrigation of Hobby Gardens								
Course Code	BSM114		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	2	Workload	53 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Introducing the methods of sprinkler and drip irrigation, giving the general principles of planning, setting up and operating irrigation systems in hobby gardens.								
Course Content	After the basic concepts of irrigation are given, the processes to be done from the beginning will be explained and a sample system will be applied in the construction of the sprinkling and drip irrigation methods in the hobby gardens.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Case Study, Individual 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	Hobi Yetiştiriciliği Kitap Seti, Tarım Ve Köyişleri Bakanlığı Yayınları. Ankara.
2	Sulama,Güngör,Y. Z., Erözel, Ve O.Yıldırım,(2004). Ankara Üniversitesi, Ziraat Fakültesi, Ankara.
3	Basınçlı Sulama Sistemlerinin Tasarımı, Yıldırım, O.,(2008),Ankara Üniversitesi, Ziraat Fakültesi, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Description and benefits of irrigation, establishing principles of hobby garden, importance of irrigation
2	Theoretical	Concepts of irrigation system and irrigation method
3	Theoretical	Importance of soil-plant-water relationships
4	Theoretical	MEASUREMENT OF SOIL MOISTURE
5	Theoretical	Evapotranspiration
6	Theoretical	Irrigation scheduling
7	Theoretical	Flow rate
8	Intermediate Exam	Midterm Exam
9	Theoretical	REMOVING THE LAND SKETCH, PREPARATION OF THE DRAFT PLAN
10	Theoretical	Planning and sizing of sprinkler system
11	Theoretical	Establishment of sprinkler system
12	Theoretical	Planning and sizing of drip irrigation system
13	Theoretical	Establishment of drip irrigation system
14	Theoretical	PROJECT PRESENTATION
15	Theoretical	GENERAL EVALUATION
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	1	1	28
Term Project	1	4	1	5
Midterm Examination	1	2	1	3

Final Examination	1	2	1	3
			Total Workload (Hours)	53
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding the importance of irrigation in agriculture
2	Understanding the concept of irrigation systems and irrigation methods
3	identification of sprinkler irrigation system components
4	identification of drip irrigation system components
5	The preparation and and implementation of a sample irrigation system in the hobby garden

Programme Outcomes *(Horticulture)*	
1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmesaccording to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability ot transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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

	L1	L2	L3	L4	L5
P2	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5