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 *(Agricultural Biotechnology)*	
1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

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

	L1	L2	L3	L4	L5
P1	1	1	1	1	1
P2	2	2	2	2	2
P3	2	2	2	2	2
P4	1	1	1	1	1
P5	2	2	2	2	2
P6	2	2	2	2	2
P7	3	3	3	3	3
P8	3	3	3	3	3