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 *(Dairy Technology)*	
1	Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.
2	Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently
3	Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field
4	Ability to have professional ethic and awareness.
5	Ability to work, decide, express opinions orally and in written individually
6	Ability to participate team studies, taking responsibility, making leadership.
7	Ability to conceive Ataturk’s principles and reforms, to communicate in Turkish and foreign language.
8	Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.
9	Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.
10	Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.
11	To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject.

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	4	4	4	4	4