AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Experimentation Method and Techniques						
Course Code	BİY110		Couse Level	Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	Purpose of the lesson is to inrease students research knowledg abilities						
Course Content	Selection of research subjects, literatures, assessment of experiment results, presentation						
Work Placement	Students must have to complete their internship within the required time and properties. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions.						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)	Lec. Şebnem Nalan AKAROĞLU						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Lecturer notes
2	Niyazi Karasar, Bilimsel Araştırma Yöntemi, 35. basım, Ankara, Nobel Publishing, 2020.

Week	Weekly Detailed Course Contents	
1	Theoretical	Science and Scientific Research
2	Theoretical	Research Planning and Basic Concepts
3	Theoretical	Research Design and Models
4	Theoretical	Data Types and Source Search in Scientific Research
5	Theoretical	Qualitative Research
6	Theoretical	Qualitative Data Collection Methods
7	Theoretical	Quantitative Research and Survey Design
8	Intermediate Exam	Midterm
9	Theoretical	Sampling Methods
10	Theoretical	Measurement and Scale Types
11	Theoretical	Reliability and Validity in Scientific Research
12	Theoretical	Preparation of Data for Analysis
13	Theoretical	Data Analysis
14	Theoretical	Data Analysis
15	Theoretical	Citation Techniques and Writing Research Report
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Seminar	1	25	0	25
Midterm Examination	1	9	1	10
Final Examination	1	11	1	12
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Experimental research

2	Preparation of experimental report
3	Assessment of experimentation results
4	Presentation of experiment
5	Observing the research results

Programme Outcomes *(Plant Protection)*

1	To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production,
2	To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops,
3	To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products,
4	To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health.
5	To be able to learn plant protection products and their practice in organic agriculture,
6	To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information
7	To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial
8	To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues
9	To be able to use information and communication technologies together with the required computer software of his / her field
10	To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation

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

	L1	L2	L3	L4	L5
P7	2	2	2	2	2
P8	2	2	2	2	2
P9	2	2	2	2	2
P10					2