AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Plant Protection Pratics I								
Course Code	BKR217		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	100 *(Hours)*	Theory	0	Practice	4	Laboratory	0
Objectives of the Course	It is the application of the theoretical knowledge learned in the courses in the field conditions.								
Course Content	Within the scope of all courses; cultural measures, mechanical control, chemical control, calibration, sample examination and imaging under microscope, use of spraying tools, isolation and preparation of pathogens, making herbarium.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. Hüseyin YERLİKAYA, Prof. Özgür GÜÇLÜ								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	40
Report	1	30

Recommended or Required Reading	
1	Course notes of Lecturers
2	Plant Protection Technical Instructions

Week	Weekly Detailed Course Contents	
1	Practice	Introduction and program introduction
2	Practice	Use of laboratory instruments-I
3	Practice	Cultural measures against plant diseases and mechanical and physical control of weeds
4	Practice	Recognition of plant pathogen disease symptoms in the field
5	Practice	Isolation of plant pathogenic diseases
6	Practice	Preparation of fungal isolates
7	Practice	Introduction of spraying devices and working principles
8	Intermediate Exam	Midterm
9	Practice	Dose adjustment and calibration
10	Practice	Recognition of weeds and herbarium
11	Practice	Recognition of weeds and herbarium
12	Practice	Chemical control of weeds
13	Practice	Visit of Agrochemicals and Greenhouses
14	Practice	Evaluation of the applications
15	Practice	Evaluation of the applications

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	0	4	56
Land Work	12	2	0	24
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Learn physical, mechanical and chemical control of plant diseases.
2	Recognizes weeds.
3	Learns dose adjustment and calibration.
4	Recognize plant pathogen disease symptoms and make isolation and preparations.
5	Learns to make herbarium.

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
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	2	2	2	2	5
P4	4	4	3	4	5
P5					2
P6	4	4	4	4	5
P7	3	3	3	4	5
P10	4	4	4	4	5