AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Plant Protection Clinic								
Course Code	BKR104		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Identification of disease, pest and weed diseases in plants, applications on biology and controls.								
Course Content	The introduction of the Plant Protection Division Clinic, the role of beneficial organisms in plant clinics, plant pathogen bacteria, viruses, fungi, weeds, nematodes and mites, the prophylaxis and control against general plant pests.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Course notes of Lecturers
2	Presentations and Lecture Notes Compiled From Different Sources
3	Toros, S., Maden, S. ve Sözeri, S. 1999. Tarımsal Savaş Yöntem ve İlaçları A.Ü.Ziraat Fakültesi
4	Zirai Mücadele Teknik Talimatları

Week	Weekly Detailed Course Contents	
1	Theoretical	Overview of diseases that occur in culture plants
2	Theoretical	Abiotic factors causing disease in plants
3	Theoretical	Biotic factors causing diseases in plants (Fungus)
4	Theoretical	Biotic factors causing diseases in plants (Bacteria)
5	Theoretical	Biotic factors causing diseases in plants (Viruses)
6	Theoretical	General control methods with plant diseases
7	Theoretical	Things to watch out for control against plant diseases
8	Intermediate Exam	Midterm exam
9	Theoretical	The methods used to decide to pest control
10	Theoretical	Recognizing insects that are harmful in plants
11	Theoretical	Recognizing the mites that have been damaged in plants
12	Theoretical	Recognition of harmful nematodes in plant
13	Theoretical	General methods of control with plant pests
14	Theoretical	Recognition of weeds that are problematic in culture plants
15	Theoretical	Weeds control

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	2	0	2
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Identify the diseases that are problematic in plants
2	Identify the harmful things in plants
3	Identify the weeds
4	Being knowledgeable in controling diseases, pest and weeds that cause problems in plants
5	Understand the importance of beneficial organisms for plant protection.

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