AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Vegetable Diseases								
Course Code	BKR201		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to gain basic information about classification, morphology, ecology and biology of fungi, bacteria and viruses that attack economic vegetable crops. Control of vegetable disease								
Course Content	Fungal, bacterial and viral diseases of vegetable crops symptoms, characteristics of disease agents, life cycles, spread and inoculation, control methods and chemicals.								
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	70

Recommended or Required Reading	
1	Course notes of Lecturers
2	Presentations and Lecture Notes Compiled From Different Sources
3	Zirai Mücadele Teknik Talimatları. Tarım Bakanlığı. Koruma ve Kontrol Genel Müdürlüğü (Cilt-III)

Week	Weekly Detailed Course Contents	
1	Theoretical	The concept of disease in plants and classification of vegetable diseases according to their cause (Fungus, Bacteria, Virus)
2	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
3	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
4	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
5	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
6	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
7	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
8	Intermediate Exam	Midterm exam
9	Theoretical	Fungal diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
10	Theoretical	Bacterial diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
11	Theoretical	Bacterial diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
12	Theoretical	Bacterial diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
13	Theoretical	Bacterial diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
14	Theoretical	Viral diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control
15	Theoretical	Viral diseases in vegetables, definition, symptoms, economic importance, distribution, hosts and control

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	0	28
Assignment	3	6	0	18
Laboratory	4	4	0	16
Individual Work	3	6	0	18
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	Upon completion of this course, students will have an understanding of classification, morphology, ecology and biology of fungi bacteria and viruses that attack economic vegetable crops, etiology and control of vegetable diseases.
2	To be able to know biochemical and physiological changes in the patient plant
3	To be able to know important vegetable diseases, symptoms, disease cycles and control methods of them in Turkey
4	To be able to know diseases and general control methods of vegetable diseases
5	Gaining the ability to produce solutions to problems that may be encountered in these issues

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