AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Integrated Struggle								
Course Code	BKR210		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is; Is to create a program of struggle against practices that has the least negative impacts on human and environmental health by considering the known methods of combat in order to keep populations of harmful factors in agriculture below the economic loss threshold.								
Course Content	Principles of integrated pest management. Identification and sampling of disease agents and their natural enemies. Establishing the forecasting and warning system. integration of general principles and methods of integrated pest management. implementation of integrated pest management. Evaluation of integrated pest management.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. Hüseyin YERLİKAYA								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Course notes of lecturer
2	Presentations and Lecture Notes Compiled From Different Sources
3	Karsavuran, Y., Entegre Mücadele Ders Notları, E. Ü. Ziraat Fakültesi Bitki Koruma Bölümü
4	T.C. Gıda Tarım ve Hayvancılık Bakanlığı, Entegre Mücadele Teknik Talimatları

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of integrated pest management, basic theories and concepts
2	Theoretical	Principles of Integrated Pest Management
3	Theoretical	Identification of disease agents
4	Theoretical	Sampling of disease agents
5	Theoretical	Establishing the forecasting and warning system
6	Theoretical	Greenhouse integrated control technical instructions (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
7	Theoretical	Greenhouse integrated control technical instructions (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
8	Intermediate Exam	Midterm exam
9	Theoretical	Citrus: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
10	Theoretical	Citrus: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
11	Theoretical	Cotton: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
12	Theoretical	Cotton: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
13	Theoretical	Olive: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
14	Theoretical	Vineyard: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)
15	Theoretical	Apple: IPM (Main diseases and pests, Determination of economic damage thresholds and periods, Control principles)

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	To be able to understand basic theories and concepts of integrated artillery
2	To be able to interpret the relationship between ecological factors and population levels of factors
3	Be able to evaluate the effect of ecological factors in the application of plant protection methods
4	To be able to design and implement integrated fighting programs
5	To be able to create projects and reports on the subject and evaluate them

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	3	3	3	3	4
P2	3	3	4	4	4
P3	2	2	2	4	4
P4	2	2	2	4	2
P5	2	3	2	2	2
P6	3	1	2		
P10	2	2	1	1	2