



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Biological Control							
Course Code		FY222		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		It aims to provide information about the definition and application of biological control							
Course Content		The definition of biological control, natural enemies, the use of natural enemies, contains information about the factors that determine the effectiveness of natural enemies							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Biological Control
2	Tarımsal Savaş Yöntemleri ve İlaçları Cezmi ÖNCÜER

Week	Weekly Detailed Course Contents	
1	Theoretical	The definition of biological control
2	Theoretical	The beginning time of the biological control
3	Theoretical	Pest-natural enemies relationship
4	Theoretical	Features of natural enemies
5	Theoretical	The factors that determine the effectiveness of natural enemies
6	Theoretical	Predators
7	Theoretical	Parasitoids
8	Intermediate Exam	Midterm
9	Theoretical	Fungi
10	Theoretical	Bacteria
11	Theoretical	Virus
12	Theoretical	Rickettsia, Protoza
13	Theoretical	Nematods
14	Theoretical	Film
15	Theoretical	General evaluation

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	2	4	0	8
Midterm Examination	1	9	1	10
Final Examination	1	14	1	15
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Knows biological control
2	Recognize natural enemies
3	Knows application of biological control



4	Know the factors that increase the efficiency of natural enemies
5	Knows commercial biological preparations.

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	2	2	2	2	2
P2	2	2	2	2	2
P3	2	2	2	2	2
P5	4	4	3	3	2
P6	3	3	2	2	2
P10	5	2	1	1	1

