



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Biological Control Of Pests								
Course Code	ZBK518	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	8	Workload	202 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The principles of biological control of agricultural pests, the importance and application among other control methods, natural enemies in biological control and their interactions with other pests. Examination of organisms used as biological control agent, and to give information about application of biological control in Turkey as well as in the World.								
Course Content	Biological control and its importance, general information on biological control, methods and applications of biological control against pests, biological control agents, predator insects, mites and vertebrates, parasitoids insects, bacteria, virus and fungi as pathogens, examples of biological control applications in the World, examples of biological control applications in Turkey.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Prof. Mehmet KARAGÖZ								

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

Recommended or Required Reading	
1	Öncüer,C.,Tarımsal Zararlılarla Biyoloji Çalışmalar.Anan Menderes Üniversitesi Yayınları No:1,93s.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction (Biological control and importance)
2	Theoretical	General information in biological control
3	Theoretical	Methods and applications of biological control against pests
4	Theoretical	Biological control agents
5	Theoretical	Predator insects and mites
6	Theoretical	Predator vertebrates
7	Theoretical	Parasitoids insects
8	Intermediate Exam	Midterm Exam
9	Theoretical	Parasitoids insects
10	Theoretical	Bacteria as pathogens
11	Theoretical	Virus as pathogens
12	Theoretical	Fungi as pathogens
13	Theoretical	Examples of biological control applications in the world
14	Theoretical	Examples of biological control applications in the world
15	Theoretical	Examples of biological control applications in Turkey
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	2	2	56
Assignment	10	6	1	70
Land Work	1	2	4	6
Reading	1	0	10	10



Midterm Examination	1	8	1	9
Final Examination	1	8	1	9
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	to be able to acquire the principles of biological control of agricultural pests
2	to be able to find out the natural enemies used in biological control
3	to be able to analyse the relationship between pests and natural enemies used in biological control
4	to be able to apply the methods and applications of biological control against pests
5	to be able to recognize the biological control practices in the World and in Turkey.

Programme Outcomes (Plant Protection Master)

1	To develop knowledge and abilities that gained during undergraduate education
2	To gain ability to search and pursue current literature
3	To gain ability to plan and write projects that help solving problems in field of study.
4	To gain ability to conduct research, analyze data, evaluate research results scientifically and prepare reports and thesis writing.
5	Students will be able to learn and apply the laboratory test and analysis methods
6	To recognize occupational and ethical responsibility

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	4	4	4	4	4
P3	4	5	5	4	5
P4	5	5	5	4	5
P5	4	4	4	5	4
P6	5	4	4	4	4

