



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Agricultural Control Methods and Drugs							
Course Code		LBT212		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	52 (Hours)	Theory	1	Practice	1	Laboratory	0
Objectives of the Course		Diseases and weeds in agricultural products are cause significant harm. Products and achieve high performance in terms of quality and quantity at the appropriate time with this disease, and it will be possible by ing the appropriate method of struggle. This struggle against the insightful way agricultural diseases will be discussed separately. Pathogens and weeds cultural, physical, mechanical, biological, biotechnological and chemical control methods will be explained and pesticides, formulation types, principles of pesticide applications will be given information about the common active ingredient							
Course Content		The objectives and aim to agricultuel control, control methods (cultural, physical and mechanical, biological, biotechnological, chemical and integrated control). Pesticide groups and their effect to pests and diseases. Pesticide effect to human, animal healty and environment.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, 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	Toros S., Maden S., Sözeri S. 2001. Tarımsal Savaşım ve Yöntem ve İlaçları Ankara Üniversitesi Ziraat Fakültesi Ders Kitabı (IV. Baskı)
2	Tarım İlaçlarının Etkin ve Güvenilir Kullanımı El Kitabı TİSİT Yayınları.
3	Öztürk, S., 1990. Tarım İlaçları. Hasad Yayıncılık, Ankara, 523.
4	Öncüler, 2008. Tarımsal Zararlılarla Savaş Yöntemleri ve İlaç. ADÜ Yayınları.

Week	Weekly Detailed Course Contents	
1	Theoretical	What is a pest? The importance of agricultural control
	Practice	To examine of pesticides boxes
	Preparation Work	Preparing material which about topic
2	Theoretical	Regulatory methods
	Practice	To examine of pesticides boxes
	Preparation Work	Preparing material which about topic
3	Theoretical	Cultural Methods
	Practice	To examine of culturel methods equipment.
	Preparation Work	Preparing material which about topic
4	Theoretical	Cultural Methods
	Practice	To examine of culturel methods equipment.
	Preparation Work	Preparing material which about topic
5	Theoretical	Biological methods of antibiosis and hyperparasitized
	Practice	To examine of biological methods insects
	Preparation Work	Preparing material which about topic
6	Theoretical	Biological methods of contention, cross protection and systemic induced resistance
	Practice	To examine of biological methods insects
	Preparation Work	Preparing material which about topic
7	Theoretical	Physical Methods
	Practice	To examine of physicall methods equipment.
	Preparation Work	Preparing material which about topic
8	Intermediate Exam	Mid-term Exam
9	Theoretical	Pesticides and formulations



9	Practice	To examine of pesticides boxes
	Preparation Work	Preparing material which about topic
10	Theoretical	Pesticides and feature
	Practice	To examine of pesticides boxes
	Preparation Work	Preparing material which about topic
11	Theoretical	Insecticides features
	Practice	To examine of insecticides boxes
	Preparation Work	Preparing material which about topic
12	Theoretical	Calibration of insecticides and application forms
	Practice	To making calibration
	Preparation Work	Preparing material which about topic
13	Theoretical	Mechanisms of action of insecticides
	Practice	To practice of using insecticides.
	Preparation Work	Preparing material which about topic
14	Theoretical	Insecticides resistance
	Practice	To examine of insecticides effect.
	Preparation Work	Preparing material which about topic
15	Theoretical	Insecticides active substance
	Practice	To examine of insecticides boxes
	Preparation Work	Preparing material which about topic
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	1	14
Assignment	14	1	0	14
Midterm Examination	1	3	1	4
Final Examination	1	5	1	6
Total Workload (Hours)				52
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	All objects that could be used against the agricultural control of pests will gain the ability to use an optimal way within the framework of appropriate farming techniques.
2	Will gain the ability to do an economic analysis of the fight against any pests.
3	Will gain the ability to do an economic analysis of the fight against any pest.
4	My goal will be taught by non-agricultural struggle against possible adverse effects on organisms
5	The importance of agricultural control of pests to be taught
6	To examine the criteria to be considered in the approach to agricultural control
7	Environmental approaches within the context of the fight against the pests will gain knowledge about the choice of the most appropriate methods of struggle.
8	In decision-making in the fight against the pests will contribute to the development of the appropriateness of the assumptions on which methods of struggle.
9	The most appropriate time you will gain the capability to implement the most appropriate method to evaluate all struggle in deciding to fight against any pests

### Programme Outcomes (Fruit and Vegetables Processing Technology)

1	To be able to understand social, cultural and social responsibilities and to have the ability to follow national and international contemporary
2	In line with the principles and reforms of Atatürk; Adopting the national, moral, spiritual and cultural values ??of the Turkish Nation, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; love and awareness of language; to have the ability to use the foreign language sufficiently and with the habit of reading and professionally.
3	To know the basic hardware units and operating systems of computer, internet to be able to prepare documents, spreadsheets and presentations on the computer by using office programs



4	Gains the theoretical and practical knowledge at the basic level in mathematics, science and professional fields
5	Recognize and analyze the problems with the knowledge of fruit and vegetable technology in the field, interpret the data and propose solutions.
6	According to the prepared work plan and program in laboratories, it can carry out the necessary works to obtain the desired quality product.
7	To have professional and ethical responsibility in business life.
8	It is open to development and change, follows scientific social and cultural innovations and constantly improves itself.

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7	L8	L9
P1	2	2	2	2	2	1	2	3	3
P2	3	3	4	2	2	2	4	3	3
P3	2	2	2	2	2	2	2	2	2
P4	2	2	2	4	2	2	2	2	2
P5	5	5	5	4	4	4	2	5	5
P6	2	2	2	2	2	2	2	2	2
P7	2	2	2	2	2	2	4	4	4
P8	3	3	5	2	3	3	5	4	4

