



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Insecticides							
Course Code		ZBK503		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	178 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		the aim of this course is to inform students about the form, formulation, marketing, license, classification, effects and use of Insecticides.							
Course Content		In this lecture, insecticides will be explained in a detailed way. Insecticides are widely used to kill insects on the crops in agriculture.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion					
Name of Lecturer(s)		Prof. Cafer TURGUT							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Ünal, G., Gürkan O. İnsektisitler. Ankara.
2	G. Copping., Hewitt, G. (1998): Chemistry and modes of action of crop protection agents. Royal Society of Chemistry.
3	Handa, S. K. (2004): Principles of pesticide chemistry. Agrobios.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction
2	Theoretical	History of insecticides
3	Theoretical	Residue of insecticides
4	Theoretical	Modes of Action of Insecticides
5	Theoretical	Chlorinated hydrocarbons
6	Theoretical	Organophorous insecticides
7	Theoretical	Carbamate insecticides
8	Intermediate Exam	EXAM
9	Theoretical	Pyrethroids
10	Theoretical	Dinitrophenols
11	Theoretical	Fumigants
12	Theoretical	Inorganic insecticides
13	Theoretical	Botanical insecticides 1
14	Theoretical	Botanical insecticides 2
15	Theoretical	General review
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Seminar	14	1	2	42
Midterm Examination	1	37	1	38
Final Examination	1	41	1	42
Total Workload (Hours)				178
[Total Workload (Hours) / 25*] = ECTS				7

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	to be able to recognize Insecticides
2	to be able to acquire the mode of action of insecticides
3	to be able to acquire the organic insecticides
4	to be able to acquire the botanical Insecticides
5	

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	5	5	4
P3	3	3	3	3	3
P4	5	5	5	5	5
P5	4	4	4	4	4
P6	5	5	5	5	5

