



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pesticide Pollution and Control							
Course Code		ZBK526		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	206 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Historical development, use and necessity of pesticides since they were used the first time will be explained. Classification and application fields of pesticides in the agriculture will be explained.							
Course Content		The effect of chemical and physical properties of pesticides on environmental pollution, risk and risk assessment will be focused. Critical points of pesticides for causing pollution from production in the factory to the application in the field and mechanisms for control of them will be examined. Process and residual risk after application on the field and control mechanism with help of models will be illustrated.							
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	Kışlalıoğlu, M., Berkes, F. (2003) Çevre ve Ekoloji. Remzi Kitabevi
2	Karpuzcu, M. (1996): Çevre Kirliliği ve Kontrolü. Kubbealtı Neşriyatı
3	Handa, S. K. (2004): Principles of pesticide chemistry. Agrobios.

Week	Weekly Detailed Course Contents	
1	Theoretical	General Introduction
2	Theoretical	History, use and classification of pesticides
3	Theoretical	Pesticide registration
4	Theoretical	Transport, movement and factors to residues
5	Theoretical	Residues properties and classification
6	Theoretical	Degradation and dissipation of pesticides in the environment
7	Theoretical	
8	Intermediate Exam	Exam
9	Theoretical	Distribution of pesticides to environment
10	Theoretical	Water pollution of pesticides and control
11	Theoretical	Soil pollution of pesticides and control
12	Theoretical	Air pollution of pesticides and control
13	Theoretical	Factors of Long range transport and ways
14	Theoretical	Uptake and transport in organisms
15	Theoretical	General Review
16	Final Exam	Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	14	3	2	70
Midterm Examination	1	37	1	38
Final Examination	1	41	1	42
Total Workload (Hours)				206
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	to be able to acquire information on Pesticide registration
2	to be able to recognize the degradation and dissipation of pesticides
3	to be able to estimate the long range transport and ways of pesticides
4	to be able to illustrate the uptake of pesticides into organisms
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	5	5	5	5	5
P3	5	5	4	4	4
P4	3	4	3	5	3
P5	4	4	4	4	4
P6	5	4	5	4	5

