AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Environment								
Course Code	BKR212		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To minimize the harm that the pesticides used in the fight against diseases and pests will cause in the environment and other organisms								
Course Content	Possible risks of pesticide use are to teach the environment, human health and non-target organism effects, endurance problems due to intensive pesticide use, fate and effective use of pesticides in the environment after use.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Course note of lecturer
2	Presentations and Lecture Notes Compiled From Different Sources
3	Tarım İlaçları (Prof. Dr. Saffet Öztürk)

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction and history of pesticides and their usage in the world and Turkey
2	Theoretical	Mechanisms of action, structure and classification of pesticides
3	Theoretical	Formulation, registration, label, prescription system, dose, phytotoxicity
4	Theoretical	Formulation, registration, label, prescription system, dose, phytotoxicity
5	Theoretical	Stability problem caused by pesticides
6	Theoretical	Residual risks
7	Theoretical	Toxicity classes
8	Theoretical	Impact of pesticides on environment and people
9	Theoretical	Impact of pesticides on environment and people
10	Theoretical	Impact of pesticides on environment and people
11	Theoretical	Errors originating from the application
12	Theoretical	Adverse effects of pesticides on people and environment and precautions to be taken to reduce risks
13	Theoretical	Adverse effects of pesticides on people and environment and precautions to be taken to reduce risks
14	Theoretical	Lesson learned

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	3	5	0	15
Individual Work	2	6	0	12
Midterm Examination	1	9	1	10

Final Examination	1	9	1	10
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understand basic information about pesticides
2	Understand the effects of pesticides on human and environmental health
3	Learn pesticide toxicology used in chemical control against agricultural pests
4	Applying pesticides against important pests by taking the necessary precautions that can protect the environment, human health and non-target organisms
5	Practice pesticides in a way that does not cause resistance to pests

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	4	4	4	4	3
P2	4	4	4	3	3
P3	4	3	3	3	3
P4	4	3	3	3	2
P5	3	2	3	2	
P10	4	3	3	3	3