



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pesticides and Control							
Course Code		TL304		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The structure of pesticides, mechanisms of action to give information about the classification and analysis							
Course Content		Pesticides in human and animal health, and their place in Toxicology, structure-activity relationship of chemical structure-source relationship, and pesticides are classified according to the kind of interference assumed to act in insecticides, molluscicides, fungicides and herbicides by examining the effects of their domain, forms, methods of analysis to their clinical use shapes and their practical evaluation. Importance and fields of pest control, Pesticides, Knowledge of equipment, Pest control techniques							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Tarımsal zararlılarla savaş yöntemleri ve ilaçları. C.Öncüler ve E. Durmuşoğlu.2008
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Week	Weekly Detailed Course Contents	
1	Theoretical	Pesticides in human and animal health, and their place in Toxicology
2	Theoretical	Pesticides in human and animal health, and their place in Toxicology
3	Theoretical	insecticides
4	Theoretical	insecticides
5	Theoretical	fungicides
6	Theoretical	herbicides
7	Theoretical	molluscicides
8	Theoretical	Importance and fields of pest control
9	Theoretical	Importance and fields of pest control
10	Theoretical	Knowledge of equipment
11	Theoretical	Pest control techniques
12	Theoretical	The methods and methods of analysis of pesticides.
13	Theoretical	The methods and methods of analysis of pesticides.
14	Theoretical	The methods and methods of analysis of pesticides.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	14	0	1	14
Midterm Examination	1	1	2	3
Final Examination	1	0	2	2
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. To obtain information on pesticides.
2	2. Learn about the methods and methods of analysis of pesticides.
3	3. Students who pass this course will be able to comprehend importance and fields of pest control.



4	4.Learns production and registration of pesticides and biocides.
5	5.Learns pesticide toxicology and ecotoxicology principles, properties of pesticide groups and active substances, properties of biocides, classification and usage methods.

Programme Outcomes (Medical Laboratory Techniques)

1	Understands the basic operation, organization, and safety rules of the medical laboratory; takes personal safety precautions and ensures a safe laboratory environment.
2	Accepts samples in the medical laboratory, performs pre-analysis preparation, ensures proper transfer conditions, and delivers results.
3	Performs basic tests in various fields of the medical laboratory, prepares analytical solutions, and effectively uses devices and techniques involved in the analysis process.
4	Applies disinfection and sterilization techniques, ensures laboratory hygiene, and complies with waste management procedures.
5	Evaluates and interprets the results of analyses and prepares laboratory reports in accordance with professional ethical principles.
6	Possesses fundamental knowledge of health sciences and effectively uses medical terminology in professional applications.
7	Communicates effectively in healthcare services, works well in teams, and uses Turkish proficiently; has a basic level of foreign language proficiency in professional applications. Embraces Atatürk's principles and reforms, adopts national, moral, spiritual, and cultural values, and maintains an open perspective toward universal and contemporary developments.
8	Keeps up with advancements in science and technology, continuously updates professional knowledge and skills, and engages in self-improvement.
9	Is aware of individual and public health, environmental protection, and occupational safety issues and fulfills responsibilities in these areas.
10	Possesses awareness of career management and lifelong learning within an academic context.

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	4	4	3	5
P2	4	4	3	4	4
P3	4	3	5	4	4
P4	3	4	4	5	5
P5	4	4	4	4	5
P6	4	3	3	4	4
P7	5	5	5	5	5
P8	3	4	4	5	5
P9	4	5	4	4	5
P10	4	4	5	3	4

