



AYDIN ADNAN MENDERES UNIVERSITY
AYDIN VOCATIONAL SCHOOL OF HEALTH SERVICES
MEDICAL SERVICES AND TECHNIQUES
MEDICAL LABORATORY TECHNIQUES
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 insecticides, molluscisids, 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

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	molluscisids,
5	Theoretical	fungicides
6	Theoretical	herbicides
7	Theoretical	Importance and fields of pest control,
8	Intermediate Exam	Mid-term exam
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.
15	Final Exam	Final exam

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 in formation 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	To be able to have sufficient background in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, sitogenetik etc.); the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledge and other resources have been supported applications and tools based on secondary-level qualifications gained in the field of Medical Laboratory Techniques Program to-date text books containing formations
3	To be able to have basic knowledge about structure and function of systems in human, to analyse these data on tissue, cell and diseases.
4	To be able to analyse the medical samples necessary for physicians by using tools, equipment and techniques at the diagnostic and the therapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratory tools and equipments according to rules and techniques, and make controls and maintenance of them
6	To be able to perform basic tests of related different medical laboratories, prepare solutions.
7	To be able to perform proper sample collection and transport procedures for the medical laboratory tests from the patient.
8	To be able to perform preanalytical sample preparation procedure, prepare inspection preparations, perform disinfection and sterilization
9	To be able to interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired basic knowledge and skills with in the field.
10	To be able to have knowledge about work organization and carry out related practice in medical laboratories
11	To be able to carry out laboratory safety protocols, take individual safety precaution and create safe laboratory environment.
12	To be able to gain the ability to apply by viewing and evaluating the processes related to his/her fields in public and private sector.
13	To be able to gain the awareness of the necessity of life long learning, ability to follow developments in science and technology and self-renewal.
14	To be able to help laboratory experts and medical scientists for their researches
15	To be able to be aware of individual and public health, environmental protection and job security issues, understanding the basic level of the relationship.
16	To be able to grasp principles of Atatürk and their evolutions, to ensure national, ethical, spiritual and cultural values, to adopt to universal and contemporary developments
17	To be able to communicate efficiently for medical service and speak Turkish efficiently.
18	To be able to communicate in English at basic level, utilize foreign language on occupational practice

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

	L1	L2	L3	L4	L5
P13	5	5	5	5	5
P18	5	5	5	5	5

