



**AYDIN ADNAN MENDERES UNIVERSITY**  
**AYDIN VOCATIONAL SCHOOL OF HEALTH SERVICES**  
**MEDICAL SERVICES AND TECHNIQUES**  
**MEDICAL LABORATORY TECHNIQUES**  
**COURSE INFORMATION FORM**

Course Title	Safe Medication Use								
Course Code	TL303	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To provide the basic information on the safety drug usage in risky periods.								
Course Content	Basic principles of safety drug usage, basic principles of safety drug usage in special physiological and risky periods, evaluation, prevention and treatment of drug toxicity in risky periods, safety drug usage in infants and childhood, safety drug usage in pregnancy and lactation, safety drug usage in geriatrics, safety drug usage in some chronic diseases.								
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	T.C. Sosyal Güvenlik Kurumu Başkanlığı, Editör: Prof. Dr. Ahmet AKICI 2013 SGK Yayın No: 93, ISBN: 978-605-63932-4-2 Ankara, Haziran 2013
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Week	Weekly Detailed Course Contents	
1	Theoretical	Basic concepts of safety drug usage.
2	Theoretical	The toxicological outcomes of drug-food interactions
3	Theoretical	The toxicological outcomes of drug-alcohol interactions.
4	Theoretical	The toxicological outcomes of drug-drug.
5	Theoretical	The safety drug usage in the epilepsy patients. and in the patients with hypertension
6	Theoretical	The nutritional deficiency caused by drugs, its classification, and the related examples.
7	Theoretical	The safety drug usage in the geriatrics.
8	Intermediate Exam	Mid-term exam
9	Theoretical	The safety drug usage in the pregnancy.
10	Theoretical	The safety drug usage in the lactation.
11	Theoretical	The safety drug usage in the patients with infections.
12	Theoretical	The safety drug usage in the new born and children
13	Theoretical	The safety drug usage in the patients with diabetes.
14	Theoretical	The safety drug usage in the patients with diabetes.
15	Final Exam	Final exam

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	14	0	2	28
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. Students are well informed about the safety drug usage in risky periods
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2	2. The safety drug usage in chronic diseases
3	3. The drug-food, drug-alcohol, drug-drug interactions
4	4. The safety drug usage in special physiological periods
5	5.gain information about rational antibiotic use.

#### Programme Outcomes (Medical Laboratory Techniques)

1	To be able to have sufficient back ground in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, sitogenetiketc.);the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledgeand 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 boks 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 rapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratoy tools and equipments according to rules and technics, 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, under standing the basic level of the relationship.
16	To be able to grasp principles of Atatürk and there volutions, to ensurenational, 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
P13	5	5	5	5

