



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

Course Title	Medicinal and Aromatic Plants								
Course Code	TL070	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	3	Workload	77 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aims of this course can be defined as understanding of importance of medicinal and aromatic plants in the World and Turkey, revealing its role in the World and Turkey trade, introducing of this plants group, teaching the general cultivation techniques								
Course Content	Uses of medicinal and aromatic plants, Biovariety of Turkey, Medicinal and aromatic plants collected from the natural flora, The importance of medicinal and aromatic plants cultivation, Utilization of medicinal plants								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Ceylan, A., 1995. Tıbbi Bitkiler I. Ege Üniv. Zir. Fak., Yay. No:312.
2	Baydar, H., 2009. Tıbbi ve Aromatik Bitkiler Bilimi ve Teknolojisi. Süleyman Demirel Üniversitesi, Ziraat Fakültesi, Yayın No:51.

Week	Weekly Detailed Course Contents	
1	Theoretical	Historical development of medicinal and aromatic plants.
2	Theoretical	Uses of medicinal and aromatic plants
3	Theoretical	Economic importance of medicinal and aromatic plants on the world.
4	Theoretical	Economic Importance of medicinal and aromatic plants in Turkey
5	Theoretical	Biovariety of Turkey
6	Theoretical	Biovariety of Turkey
7	Theoretical	Medicinal and aromatic plants collected from the natural flora
8	Intermediate Exam	Mid-term exam
9	Theoretical	Medicinal and aromatic plants collected from the natural flora
10	Theoretical	The importance of medicinal and aromatic plants cultivation
11	Theoretical	Growing medical plants and drug preparation.
12	Theoretical	Growing medical plants and drug preparation.
13	Theoretical	Utilization of medicinal plants
14	Theoretical	Utilization of medicinal plants
15	Theoretical	Utilization of medicinal plants

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	5	3	1	20
Individual Work	7	0	1	7
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To be able to obtain information about general characteristics of medicinal and aromatic plants
2	The importance of medicinal and aromatic plants in agriculture of World and Turkey
3	To be able to obtain information about uses of medicinal and aromatic plants
4	Be able to obtain information about ecological requirements and techniques of growing of medicinal and aromatic plants
5	Be able to give information to the producers about providing material, production process and about marketing

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, 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
P1	5	5	5	5	5
P2	5	5	5	5	5
P9	5	5	5	5	5
P14	5	5	5	5	5

