



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Quality Control at Medicinal and Aromatic Plants							
Course Code		TABİ209		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Lesson offers students production of medicinal and aromatic plants, ability to quality control during storage and production times and introduction to other standarts of medicinal and aromatic plants.							
Course Content		Production methods and other standarts of medicinal and aromatic plants and quality control of pharmascopic analysis will introduced to students at this lecture.							
Work Placement		Students have to complete their internship and properties within the required thirty work days time. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions.							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Instructor Lecture Notes
2	Production and Quality Control at Medicinal and Aromatic Plants, Anadolu University Publications, Eskişehir, September, 2010.

Week	Weekly Detailed Course Contents	
1	Theoretical	Production of Medicinal and Aromatic Plants
2	Theoretical	Production of Medicinal and Aromatic Plants
3	Theoretical	Production methods-I (Extraction)
4	Theoretical	Production methods-II (Distillation)
5	Theoretical	Production methods-I (Other methods)
6	Theoretical	Production methods-I (Other methods)
7	Theoretical	Quality control at bagging and packaging of medicinal and aromatic plants
8	Intermediate Exam	Midterm examination
9	Theoretical	Quality control at bagging and packaging of medicinal and aromatic plants
10	Theoretical	Quality control
11	Theoretical	Quality control
12	Theoretical	Quality control
13	Theoretical	Other standards related to medicinal and aromatic plants
14	Theoretical	Other standards related to medicinal and aromatic plants
15	Theoretical	Other standards related to medicinal and aromatic plants
16	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	2	8	0	16
Laboratory	14	2	0	28
Midterm Examination	1	6	1	7



Final Examination	1	6	1	7
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Defining products derived from medicinal and aromatic plants
2	Learning production methods
3	Explaining importance of quality control of medicinal and aromatic plants
4	Identification of preparation processes for quality control and sampling rules of medicinal and aromatic plants.
5	Analysis methods for quality control of medicinal and aromatic plants with different utilization purposes
6	Learning importance of pharmascopic analysis of medicinal and aromatic plants.
7	Capability to discussing of pharmascopics systematic.
8	Analysis of pharmascopic methods for quality control of medicinal and aromatic crops.
9	Learning other standards related to medicinal and aromatic plants

Programme Outcomes (Medical and Aromatic Plants)

1	Having the recognition, classification and the use areas knowledge of medical and aromatic plants
2	Having practical and technical knowledge about cultivation and production of medical and aromatic plants
3	Having knowledge of morphology, anatomy, cytology, physiology and biochemical structures of medical and aromatic plants
4	Having knowledge of importance of soil conditions to grow medical and aromatic plants
5	Having information and the ability to use materials related with basic math and basic chemistry founded on qualifications gained in secondary education
6	Having ability to use effective own language and having knowledge of foreign language in order to communicate own colleagues and own customers
7	Having ability to collect medical and aromatic plants, having knowledge of seed technology, drying and conservation of these plants
8	Having ability to identify and to fight diseases and pests of medical and aromatic plants
9	Having knowledge of all Agricultural activities
10	Having knowledge of Atatürk Principle and Revolutions and to assimilate Atatürk Principle and Revolutions
11	Having consciousness of quality
12	Having knowledge and accumulation of investigative and evaluation
13	Ability to work as an individual capable of independent decision-making ideas verbally and in writing, stating the figure to communicate in a clear and concise
14	Ability to identify plants used for medical purposes and to obtain mixtures from drugs acquired these plants
15	Having skill and knowledge of marketing techniques medical and aromatic plants

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

	L1	L2	L3	L4	L5	L6	L7	L8	L9
P1	5	3	3	3	3	3	3	3	3
P2	4	5	3	3	3	3	3	3	3
P3	4	3	3	3	3	5	5	5	5
P4	3	3	3	3	3	3	3	3	3
P5	3	3	3	3	3	3	3	3	3
P6	3	3	3	3	3	3	3	3	3
P7	4	4	4	4	4	3	3	3	3
P8	3	3	3	3	2	2	2	2	2
P9	4	4	4	4	4	4	2	2	2
P10	1	1	1	1	1	1	1	1	1
P11	1	1	1	1	1	1	1	1	1
P12	1	1	1	1	1	1	1	1	1
P13	1	1	1	1	1	1	1	1	1
P14	4	4	4	4	4	4	4	4	4
P15	1	1	1	1	1	1	1	1	1

