



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Standardisation and Packaging							
Course Code		TAP202		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	54 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The purpose of the course is to give information about standardisation, storage and packaging of medicianl and aromatic plants.							
Course Content		Standardisation and its importance, storage conditions of medicinal and aromatic plants, structural properties of storage facilities, factors that affects decontamination of drugs, packaging gases, packaging.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Case 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	Lecture notes
2	Teslime Mahmutoglu, Gıda Endüstrisinde "Güvenli Gıda" Üretmek, ODTÜ, 2006
3	Azime Buket Kahvecioğlu, Fatma Müge Algan, Standardizasyon - Temel ve Esaslar, Siyasal Kitabevi, 2014

Week	Weekly Detailed Course Contents	
1	Theoretical	Standardisation and its importance
2	Theoretical	Standardisation and its importance
3	Theoretical	Storage conditions of medicinal and aromatic plants.
4	Theoretical	Structural properties of storage
5	Theoretical	Factors affecting degeneration of drugs.
6	Theoretical	Fight technics against live factors
7	Theoretical	Other protection and decontamination technics.
8	Intermediate Exam	Mid-term exam
9	Theoretical	Introduction to packaging.
10	Theoretical	Reasons of packaging botanical products.
11	Theoretical	Product varieties and packaging technics.
12	Theoretical	Product varieties and packaging technics.
13	Theoretical	Materials used in packaging.
14	Theoretical	Packaging gases
15	Theoretical	Labeling

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	5	1	1	10
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				54
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Can define standardisation
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2	Can describe the importance of storage conditions of medicinal and aromatic plants
3	Can describe the structural properties of storage facilities for medicinal and aromatic plants
4	Can list the factors that decontaminate drugs
5	Can describe the methods for fighting against live factors

Programme Outcomes (Medical and Aromatic Plants)

1	Understands the importance of medicinal and aromatic plants in the World and Turkey
2	Learn about the general characteristics of medicinal and aromatic plants. Learn the important issues in cultivation and can apply.
3	Learn about usage technologies about medicinal and aromatic plants and can apply.
4	Inform of producers of medicinal and aromatic plant species in offering, material supply, production process, marketing matter.
5	Know and follow the laws and regulations pertaining to the profession.
6	Learns morphological and anatomical structures of plants.
7	Learns to identify medicinal and aromatic plants.
8	To be able to behave sensitively towards environmental issues at national and global levels and to be able to interpret solution-oriented information; to be able to be an environmentally conscious and entrepreneurial individual
9	To be able to follow, evaluate and implement new developments and applications in the cultivation of medicinal and aromatic plants independently or as a team.

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

	L2	L3
P3		4
P5	4	
P6	5	5
P7		4

