



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Standardization, Conservation and Packaging							
Course Code		TAB202		Coure Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		After the harvesting of medicinal and aromatic plants, processing, conservation of these products, Standardization of medicinal and aromatic plants, preservation, packaging and packing material forms. Factors that affect quality.							
Course Content		General introduction to standardization, conservation and packaging. Harvest of medicinal and aromatic plants. Conservation methods of medicinal and aromatic plants, packaging, factors affecting quality							
Work Placement		Students do their compulsory internship in the 2nd and 4th semester for 30 days							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Ins. Şebnem Hazal GÜLŞEN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Üçüncü, M. 2000. Packaging of Food.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Standardization, preservation and packaging, general introduction
	Preparation Work	Textbook (1-8 p)
2	Theoretical	Standardization, preservation and packaging, general introduction
	Preparation Work	Textbook (1-8 p)
3	Theoretical	Harvest of Medicinal and Aromatic plants
	Preparation Work	Textbook (9-15 p)
4	Theoretical	Harvest of Medicinal and Aromatic plants
	Preparation Work	Textbook (9-15 p)
5	Theoretical	Preservation methods of Medicinal and aromatic plants
	Preparation Work	Textbook (16-25 p)
6	Theoretical	Preservation methods of Medicinal and aromatic plants
	Preparation Work	Textbook (16-25 p)
7	Theoretical	Preservation methods of Medicinal and aromatic plants
	Preparation Work	Textbook (16-25 p)
8	Theoretical & Practice	An overview
9	Theoretical	Preservation methods of Medicinal and aromatic plants
	Preparation Work	Textbook (16-25 p)
10	Theoretical	Packaging
	Preparation Work	Textbook (26-33 p)
11	Theoretical	Packaging
	Preparation Work	Textbook
12	Theoretical	Packaging
	Preparation Work	Textbook (26-33 p)
13	Theoretical	Factors that affect quality
	Preparation Work	Textbook (34-40 p)
14	Theoretical	Factors that affect quality
	Preparation Work	Textbook (34-40 p)
15	Theoretical	General Assessment



16	Final Exam	Final Exam
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Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to use appropriate keeping, storage and conditioning techniques for Post-harvest products to be kept intact for long-term
2	To be able to provide minimized post-harvest losses and to introduce products to the market under the best conditions
3	To be able to contend with pests and diseases in the stores and packs by diagnosing them
4	To be able to apply the appropriate packing and packaging techniques in the marketing of herbal products marketed in the store
5	To be able to execute post-harvest standardization, transportation and marketing operations

Programme Outcomes (Cosmetic Technology)

1	To know the classification of cosmetic raw materials, for what purpose, in which products and how much they should be used
2	Define and classify cosmetics,
3	To define, classify toxicity, Toxic substances and detoxification ways of these substances to know. To be able to analyze toxic substances.
4	To be aware of the precautions to be taken when working with hazardous chemicals in terms of laboratory safety and human health.
5	To have the ability to use basic mathematical methods to produce solutions.
6	To be able to define the carrier systems used in cosmetics, to be able to choose the carrier system to be used according to the cosmetic product.
7	To know and apply the necessary tests in cosmetic raw materials, intermediate products and finished products.
8	Depending on the Atatürk nationalism in accordance with Atatürk's principles and reforms, adopted the national, moral, spiritual and cultural values of the Turkish Nation, and has adopted that the Turkish language is a rich, rooted and productive language; have love and awareness of language; to have the ability to use the foreign language sufficiently to have the pleasure and habit of reading and need professionally.

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	2	3	3	3	2
P2	3	3	3	3	2
P3	3	2	3	3	2
P4	3	2	3	3	2
P5	3	3	3	3	2
P6	3	4	3	3	2
P7	2	3	3	3	2

