



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Herbarium Techniques							
Course Code		KZM213		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	48 (<i>Hours</i>)	Theory	1	Practice	1	Laboratory	0
Objectives of the Course		Learning the collection of plants from the nature with the appropriate methods, drying and storage for certain purposes							
Course Content		Definition of herbarium, processes of bringing plants and special groups (mushrooms, algae, etc.) into herbarium stages, Herbarium buildings and design.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	SEÇMEN, Ö., GEMICI Y., LEBLEBİCİ E., GÖRK G., BEKAT L. (2004) Tohumlu Bitkiler Sistematigi E.Ü.FEN Fak. Kitaplar Ser. no:116
2	THE HERBARIUM HANDBOOK Diane Bridson and Leonard Forman ISBN 1 900347 43 1

Week	Weekly Detailed Course Contents	
1	Theoretical	Introducing the herbarium and first herbarium studies. The introduction of world renowned herbaria herbarium and available in Turkey
2	Theoretical	Issues to be considered in field studies
3	Practice	Issues to be considered in field studies
4	Theoretical	Necessary materials in plant collection
5	Theoretical	Making land plans and maps
6	Practice	Collecting plants from the field and getting the necessary notes
7	Theoretical	Collecting plants from the field and getting the necessary notes
8	Theoretical	Collecting plants from the field and getting the necessary notes
9	Practice	Field studies and plant collection
10	Practice	Pressing and drying of plants
11	Practice	Bonding plants to herbarium cartons
12	Theoretical	Things to be found in herbarium cardboard; Tags and annatography tags
13	Theoretical	Herbarium of special groups
14	Practice	Pasting of plants and rules to be considered
15	Theoretical	Field studies and collection of plant-like organisms (cyanobacteria, algae, fungi and lichens)
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	0	1	14
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
Total Workload (Hours)				48
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Define herbarium
2	Understand how and when plants should be collected from nature
3	It can dry the plants for long-term storage without spoiling its origin.
4	Can make necessary procedures for long-term storage of plants
5	Can make herbarium of special groups such as cyanobacteria, algae and fungi

Programme Outcomes (Cosmetic Technology)

1	To define and classify cosmetics.
2	To learn the classification of cosmetic raw materials, purposes, products to use and what properties should be carried.
3	To describe and classify toxicity, to learn toxic substances and analyze methods.
4	To learn laboratory safety, to apply safety precautions when working with dangerous chemicals.
5	To learn and apply necessary tests for cosmetic raw materials, intermediates and finished products.
6	To perform a scientific study, analyze study and report results of study scientifically.
7	To interpret experimental results, to evaluate data in point of cosmetic science.
8	To act in accordance with the principles of ethics, to have awareness of professional and ethical responsibility.
9	To be individuals who are committed to Atatürk's Principles and Revolutions, contemporary, democratic, secular, protecting and developing their country, protecting their nation, respecting human rights, protecting nature, non-discriminatory, adhering to their traditions and customs, and protecting their values.
10	To be an individual who has completed his personal development, can adapt to society and contribute positively

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

	L1	L2	L3	L4	L5
P6	5	4	5	3	1

