



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Herbarium of Medicinal and Aromatic Plants							
Course Code		TAP232		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	77 (Hours)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Learning collection of plants from nature, drying and storing for specific purposes							
Course Content		Definition of herbarium, preparative procedures for plants and special groups (fungi, algae etc.), herbarium buildings and design.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, 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	Ders Notları
2	- SEÇMEN, Ö., GEMİCİ Y., LEBLEBİCİ E., GÖRK G., BEKAT L. (2004) Tohumlu Bitkiler Sistematığı E.Ü.FEN Fak. Kitaplar Ser. no:11
3	THE HERBARIUM HANDBOOK Diane Bridson and Leonard Forman ISBN 1 900347 43 1

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to herbariums and first herbarium studies, information about national and international well-known herbariums
	Practice	Important points for field trips
2	Theoretical	Important points for field studies
	Practice	Required equipment for field trips and their usage
3	Theoretical	Required material for collecting plants
	Practice	Planning field trips and maps
4	Theoretical	Taking notes in the field (information about locality, plants etc)
	Practice	Collecting plants from field and note taking
5	Theoretical	Need to know for collecting plants
	Practice	Field trips and plant collection
6	Theoretical	Compression and dehydration of plants
	Practice	Bringing plants to laboratory, compression and dehydration
7	Theoretical	Sticking plants to herbarium cardboards
	Practice	Field trips and plant collection
8	Theoretical	Required items in herbarium cardboards; labels and annotation labels
	Practice	Bringing plants to laboratory, compression and dehydration
9	Theoretical	Herbariums of special groups
	Practice	Periodic controls
10	Theoretical	Collection and herbarium of cyanobacteria and algae
	Practice	Important points for sticking plants to herbarium cardboards
11	Theoretical	Collection and herbarium of fungi
	Practice	Field trips and collection of plant like organisms (cyanobacteria, algae, fungi and lichen).
12	Theoretical	Collection and herbarium of vascular and non-vascular plants
	Practice	Herbariums of special groups (cyanobacteria, photosynthetic protists, fungi and lichens)
13	Theoretical	Collection and herbarium of gymnosperms
	Practice	Herbariums of special groups (Liverworts, mosses, horsetails, ground pines and ferns)
14	Theoretical	Collection and herbarium of palms, succulent plant and aquatic plants



14	Practice	Herbariums of special groups (Gymnosperms, succulent plants, aquatic plants and palms).
15	Theoretical	Herbarium buildings, herbarium works, specimen interchange
	Practice	Toxication and removing other organisms

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	1	15
Lecture - Practice	15	0	2	30
Assignment	10	0	1	10
Reading	10	1	1	20
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Able to describe herbarium
2	Able to understand collection method and time of plants from nature
3	Able to dehydrate plants for long term preservation
4	Able to perform required processes for long term preservation of plants
5	Able to prepare herbarium of special groups like cyanobacteria, algae and fungi

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
P6	5
P7	5

