



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		General Plant Science II							
Course Code		TAP102		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	98 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To learn the evolution of the plants, their relationship, similarities and differences. To learn classification methods of the plants To learn the characters used in classification To know the general characteristics and important genera of large plant families							
Course Content		Evolutionary relationships of plants and their classification. Characters used in separating plant groups. General characteristics of major plant families and their important genus. Seedless and seed plants.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, 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	Tohumlu Bitkiler Sistematığı (ders kitabı) /İzmir: Ege Üniversitesi, 2004
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Week	Weekly Detailed Course Contents	
1	Theoretical	The evolution of plants
	Practice	Brief applications about collection, preservation and inspection of plants
2	Theoretical	Classification methods and classification of plants
	Practice	Plants in our environment will be classified. Reclassification will be made by giving information about current classifications.
3	Theoretical	Classification and properties of plants
	Practice	The mosses and ferns found around us will be detected. Their features will be examined.
4	Theoretical	Gymnosperms
	Practice	The gymnosperms around us will be detected. And their features will be examined.
5	Theoretical	Angiosperms
	Practice	The angiosperms around us will be detected. And their features will be examined.
6	Theoretical	Monocotyls and dicots
	Practice	Differences between monocotyl and dicotiles will be examined anatomically and morphologically
7	Theoretical	Morphological characters in plants
	Practice	Morphological characteristics of leaves, leaf arrangement, hairs types, placentation types, ovary status will be examined
8	Intermediate Exam	The exam
9	Theoretical	Morphological characters in plants
	Practice	Inflorescence, the structure of flowers, fruit varieties, the anatomy of fruits will be examined
10	Theoretical	General characteristics and important genera of Pinaceae, Cupressaceae, Taxaceae families
	Practice	Investigation of plant samples belonging to Pinaceae, Cupressaceae, Taxaceae families
11	Theoretical	General characteristics and important genera of Brassicaceae, Papaveraceae, Chenopodiaceae families
	Practice	Investigation of plant samples belonging to Brassicaceae, Papaveraceae, Chenopodiaceae families
12	Theoretical	General characteristics and important genera of Caryophyllaceae and Fabaceae families
	Practice	Investigation of plant samples belonging to Caryophyllaceae and Fabaceae families
13	Theoretical	General characteristics and important genera of Asteraceae and Apiaceae families
	Practice	Investigation of plant samples belonging to Asteraceae and Apiaceae families
14	Theoretical	General characteristics and important genera of Solanaceae and Lamiaceae families



14	Practice	Investigation of plant samples belonging to Solanaceae and Lamiaceae families
15	Theoretical	General characteristics and important genera of Orchidaceae, Iridaceae, and Asparagaceae families
16	Final Exam	The exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	1	2	42
Midterm Examination	1	11	1	12
Final Examination	1	15	1	16
Total Workload (Hours)				98
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	It can explain the evolution of plants
2	It can make classification of plants
3	It can recognize and identify the plants around it.
4	It can recognize the properties used to classify plants
5	It can distinguish the characteristics and important genera of large families.

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

	L1	L2	L3	L4	L5
P2	3	3		3	
P4					4
P6	5	5	5	5	4
P7	3	3	3	3	

