

FOREST BOTANY

1	Course Title:	FOREST BOTANY
2	Course Code:	AYHZ104
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. SİNAN BABAYİĞİT
15	Course Lecturers:	Prof.Dr. Adem BIÇAKÇI
16	Contact information of the Course Coordinator:	sbabayigit@uludag.edu.tr Telefon: +90 (224) 841 24 39 Adres: Uludağ Üniversitesi Büyükorhan Meslek Yüksekokulu, Orhan Mah., Dr. İbrahim Öktem Cad., No: 28, 16990 Büyükorhan/Bursa
17	Website:	
18	Objective of the Course:	To acquaint students with the knowledge on main forest trees, their general characteristics, identification key
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be realized the position of trees in the plant kingdom
	2	To be able to identify the organs of a tree
	3	To be realized the identification key for trees
	4	To be able to identify trees by their morphological characteristics
	5	To be realized the differences between trees and bushes
	6	To be able to identify and list the trees which have the widest distribution areas in Turkey
	7	To be able to know and compare gymnosperm and angiosperm woody plants
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Naming and classification of plants, some terms and concepts	Demonstration of trees and bushes, definition of plant organs
2	Tree organs; trunk-shoot, buds, bark, life forms	Collection of samples

3	Tree organs; growth of buds on shoots, the length of annual shoots and increase in length, trees, small trees, length and age	Drying and pressing of collected materials		
4	Tree organs; trunk-bark, trunk metamorphosis, leaf and leaf morphology	Examination of tree organs		
5	Tree organs; leaf- leaf sequence, leaf metamorphosis, root, root morphology, root metamorphosis	Examination of tree organs		
6	Flower, flower diagrams and formules in Angiosperms	Examination of tree organs		
7	Inflorescence, Pollination, fruit formation, fruit types, seed morphology in Angiosperms	Examination of tree organs		
8	Repeating courses and midterm exam	Repeating courses and midterm exam		
9	Characteristics of gymnosperms, cone, seed formation and pollination,main forest trees in Turkey, identification keys	Examination of tree organs		
10	The differences between gymnosperms and angiosperms, botanical characteristics, their ecological preferences and distributions	Demonstration of Pinaceae species		
11	Botanical characteristics, ecological preferences and distributions of Cupressaceae, Taxaceae, Ephedraceae species	Demonstration of Cupressaceae, Taxaceae, Ephedraceae species		
12	Botanical characteristics, ecological preferences and distributions of Angiosperms-Salicaceae, Juglandaceae, Betulaceae species	Demonstration of Angiosperms-Salicaceae, Juglandaceae, Betulaceae species		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Lauraceae, Hamamelidaceae, Platanaceae, Leguminosae species	14	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preperation	Preferences and distributions of Angiosperms- Aceraceae Buxaceae	14	3.00	42.00
Homeworks	Anacardiaceae, Simaroubaceae, Ranunculaceae species	0	0.00	0.00
Projects	Tamaricaceae, Cornaceae, Myrtaceae.	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	14.00	14.00
Others	Textbooks, References and/or Other	0	0.00	0.00
Final Exam	Assesment	1	22.00	22.00
Total Work Load				120.00
Total work load/ 30 hr		1	40.00	4.00
Midterm Exam				
ECTS Credit of the Course				4.00
Home work-project		0	0.00	
Final Exam		1	60.00	
Total		2	100.00	
Contribution of Term (Year) Learning Activities to Success Grade			40.00	
Contribution of Final Exam to Success Grade			60.00	
Total			100.00	
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	0	5	3	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
ÖK3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			