

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PLANT MATERIALS I	KTP2269040	Spring Semester	2+2	3	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Bahar BAŞER KALYONCUOĞLU				
Name of Lecturer(s)	Assoc.Prof. Bahar BAŞER KALYONCUOĞLU				
Assistant(s)					
Aim	This course aims to introduce the scientific taxonomy of plants, which are the natural material of Landscape Architecture, the basic terminology of botany for plant identification and the ecological characteristics of plants, and the main tree taxa used in landscaping.				
Course Content	This course contains; Start of semester, meeting, studying, introduction of the programme, The geographical distribution of plants, examples from world/national landscapes, Basic botanical terms - Introduction to plant morphology, Evergreen Plants : Gymnospermae taxons-Pineceae Family, Evergreen trees- Gymnospermae taxons- Pineceae Family, Evergreen trees: Gymnospermae taxons-Cupressaceae Family, Evergreen trees :Gymnospermae Taxons: Araucariaceae members, site excursion, Basic botanical features of Angiospermae taxa and introduction of Magnolia, Laurus, Ligustrum, Photinia sp., Angiospermae Taxons: Salix, Populus, Fraxinus, Acer, Angiospermae Taxons - Aesculus, Quercus, Celtis sp., Angiospermae Taxons - Deciduous trees : Fagus, Betula, Ulmus sp., Angiospermae Taxons - Small Deciduous trees : Prunus, Malus, Angiospermae Taxons - Deciduous trees : Liriodendron, Liquidambar, Magnolia soulangeana..				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
4. Comprehending the production methods, growth demands and conditions, morphological and physiological characteristics of woody species.			16, 6, 9	A, E	
5. Knows usage, importance and functions of trees in landscape applications and match with landscape design.			16, 6, 9	A, E	
3. Recognizes Gymnospermae and Angiospermae trees used in landscape design, and categorizes them.			6	A, E	
1. To know the evolutionary process and biological features of plants.			16, 37, 9	A	
2. Analyze the phytogeographical structure of earth and Türkiye on the map, recognizes regional plant-zones and sort them..			16, 37, 9	A	
Teaching Methods	16: Question - Answer Technique, 37: Computer-Internet Supported Instruction, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Start of semester, meeting, studying, introduction of the programme				
2	The geographical distribution of plants, examples from world/national landscapes	Site excursion- Urban Garden Visit			
3	Basic botanical terms - Introduction to plant morphology				
4	Evergreen Plants : Gymnospermae taxons-Pineceae Family	Preparing plant catalogue with plant samples			
5	Evergreen trees- Gymnospermae taxons- Pineceae Family	Site excursion- Botanical Garden Visit			
6	Evergreen trees: Gymnospermae taxons-Cupressaceae Family	Giving the personal Research Topics			
7	Evergreen trees :Gymnospermae Taxons: Araucariaceae members, site excursion	Adding the new plants to the catalogue			
8	Basic botanical features of Angiospermae taxa and introduction of Magnolia, Laurus, Ligustrum, Photinia sp.				
10	Angiospermae Taxons: Salix, Populus, Fraxinus, Acer	Collecting plant samples // student presentations			
11	Angiospermae Taxons - Aesculus, Quercus, Celtis sp.	Adding the new plants to the catalogue			
12	Angiospermae Taxons - Deciduous trees : Fagus, Betula, Ulmus sp.	student presentations			
13	Angiospermae Taxons - Small Deciduous trees : Prunus, Malus,	student presentations			
14	Angiospermae Taxons - Deciduous trees : Liriodendron, Liquidambar, Magnolia soulangeana.	Preparing plant catalogue with plant samples // student presentations			
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources	
Mamikoğlu, N. G., 2010. Türkiye'nin Ağaçları ve Çalıları, NTV Yayınları	
Yaltrıkcı, F., Efe, A., 1994. Dendroloji Ders Kitabı, İ.Ü. Orman Fakültesi Yayınları, İstanbul.	
Yaltrıkcı, F., 1991. Bazı Yapraklı Ağaç ve Çalıların Kışın Tanınması, Ormanlık Eğitim ve Kültür Vakfı Yayınları, İstanbul.	
Pamay, B., 1992. Bitki Materyali 1, İstanbul.	
Ferguson, N., 1949. Right plant, right place, ed. Joanne Wilson, New York : Fireside Book, 2005.	
Mataracı, T. 2004. Marmara Bölgesi doğal-Egzotik Ağaç ve Çalıları, TEMA Vakfı Yayınları	
Atatürk Arboretumu, 2008. Atatürk Arboretumu Ağaç ve Çalıları, Atatürk Arboretumu Yayınları.	
Ebcioğlu, N., 2003. Bahçe ve Süs Bitkileri, Ağaçlar, Ağaççıklar, Çalıları vb., Remzi Kitabevi Yay.	
Bruns Catalogue of trees and shrubs	