

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
LANDSCAPE BUILDING TECHNIQUES and MATERIAL INFORMATION II	KTP3211422	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)	Lect. Hasan Emrah ÖZARSLAN, Assoc.Prof. Bahar BAŞER KALYONCUOĞLU				
Assistant(s)	Araş.Gör. Ezgi KOCAZEYBEK				
Aim	Landscape Building Techniques and Materials Science course is given in two semesters. The aim of this semester; The aim of this course is to teach the students the properties and production of building materials that they can use in their projects and application studies and how to use them in Landscape Architecture studies.In this course; After the introduction of building materials, it is given which construction elements can be used in landscape architecture. The deck primarily focuses on flooring, containment and circulation elements, and the structures connected to them.				
Course Content	This course contains; Introduction, scope and aim of the course,Natural Materials in Landscape Construction (Stone, aggregate, wood, metal, asphalt etc.),Artificial Materials in Landscape Construction (Agglomerates, Athermites and wood plates, synthetic petroleum products, Paints and Preservatives, glass etc.),Binders (cement, lime, plaster, etc.),Surface coatings / Flooring,Containment elements / Walls, Slopes and Level changes / Leveling,Steps, ramps and terraces,Roof elements,Drainage elements / Infrastructure systems,Lighting Components,Parking Lots,Circulation / Pedestrian and Bicycle paths,Circulation Motor Vehicle Roads.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
5.Can draw an application project by detailing the developed design at the system section level.			11, 2	F	
1. Learns basic material knowledge in landscape applications.			10, 14, 16, 5, 6	A, E, F	
2. Can make scaled drawings for the applications of materials.			10, 14, 16, 5, 6	A, E, F	
3. Can choose suitable materials according to their properties and apply.			10, 14, 16, 5, 6	A, E, F	
4. Develops and designs engineering and material solutions for basic circulation tools in landscape design.			11, 2	F	
Teaching Methods	10: Discussion Method, 11: Demonstration Method, 14: Self Study Method, 16: Question - Answer Technique, 2: Project Based Learning Model, 5: Cooperative Learning, 6: Experiential Learning				
Assessment Methods	A: Traditional Written Exam, E: Homework, F: Project Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction, scope and aim of the course				
2	Natural Materials in Landscape Construction (Stone, aggregate, wood, metal, asphalt etc.)				
3	Artificial Materials in Landscape Construction (Agglomerates, Athermites and wood plates, synthetic petroleum products, Paints and Preservatives, glass etc.)				
4	Binders (cement, lime, plaster, etc.)				
5	Surface coatings / Flooring				
6	Containment elements / Walls				
7	Slopes and Level changes / Leveling				
8	Steps, ramps and terraces				
9	Roof elements				
10	Drainage elements / Infrastructure systems				
11	Lighting Components				
12	Parking Lots				
13	Circulation / Pedestrian and Bicycle paths				
14	Circulation Motor Vehicle Roads				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Long, Gungor, 2000. Building Materials. CU Faculty of Agriculture Textbooks Publication No: A-49, ADANA Uzun, Güngör, 2000. Landscape Construction I. Ç.Ü. Faculty of Agriculture Textbooks Publication No: 37, ADANA Seçkin, Öznur Bülel; 2004. Landscape Construction Volume 1, İstanbul University. Faculty of Forestry Textbooks Publication No: 480 İSTANBUL T.Dines, Nicholas and D. Brown, Kyle; 1999. Site Construction Details Manual, McGraw-Hill, Companies, New York Giles, Floyd; 1999. Landscape Construction: Procedures, Techniques and Design. Stipes Publishing, ILLINOIS Harris, Charles W and T. Dines, Nicholas; 1988. Time Saver Standards for Landscape Architecture. McGraw- Hill, Companies, New York