

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TIMBER STRUCTURE APPLICATIONS I	MIM2115136	Fall Semester	1+2	2	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assist.Prof. Mustafa ERDEM				
<b>Name of Lecturer(s)</b>					
<b>Assistant(s)</b>					
<b>Aim</b>	The main aim of the course is to educate the students about the knowledge of traditional wood building application techniques and to be aware of the restoration of existing structures in this kind.				
<b>Course Content</b>	This course contains; Introduction of Wooden Materials. What is Wood as a building material? Why Wood?, Wood - Water relationship, Drying and Protection Methods, water resistance techniques, Introduction of tree types (needle and broad leaves). Places of use and features, Wooden Building Elements in Traditional Architecture. Definitions and uses, Structural system elements, wooden frame systems. Lecture about Wood Construction Techniques, Ceilings and Floors. Lecture about Wood Construction Techniques, Walls (interior and exterior walls, connections). Learning about the wall, 1st Midterm Exam (There will be a theoretical exam covering what has been explained since the beginning of the semester), ROOFS. Roof Elements; Explanation of their names, sizes, features and functions, WOODEN DOORS. Door details, WOODEN WINDOWS. Window details, Types and purposes of use of fasteners in wooden doors and windows, WOODEN STAIRS. Things to pay attention, Wooden Joints.				
<b>Course Learning Outcomes</b>				<b>Teaching Methods</b>	<b>Assessment Methods</b>
			10, 9	A, E	
<b>Teaching Methods</b>	10: Discussion Method, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, E: Homework				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction of Wooden Materials. What is Wood as a building material? Why Wood?				
2	Wood - Water relationship, Drying and Protection Methods, water resistance techniques				
3	Introduction of tree types (needle and broad leaves). Places of use and features				
4	Wooden Building Elements in Traditional Architecture. Definitions and uses				
5	Structural system elements, wooden frame systems. Lecture about Wood Construction Techniques				
6	Ceilings and Floors. Lecture about Wood Construction Techniques				
7	Walls (interior and exterior walls, connections). Learning about the wall				
8	1st Midterm Exam (There will be a theoretical exam covering what has been explained since the beginning of the semester)				
9	ROOFS. Roof Elements; Explanation of their names, sizes, features and functions				
10	WOODEN DOORS. Door details				
11	WOODEN WINDOWS. Window details				
12	Types and purposes of use of fasteners in wooden doors and windows				
13	WOODEN STAIRS. Things to pay attention				
14	Wooden Joints				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

Resources
<p>To be provided by the lecturer. PENCERE 1-2, Prof. Utarit İZGİ.            Ahşap Pencereler - Prof. Muhittin BİNAN            Ahşap Kapılar - Prof. Muhittin BİNAN            Ahşap Çatılar - Prof. Muhittin BİNAN            MERDİVENLER - Prof. Abdullah SARI            Ahşap Yapılar - Reha GÜNAY            Ahşap İnşaat Örneklerle Statik - İnş. Müh. İ. Kani SÜBAŞI            İnşaat Başlarken - Y. Müh. Mim. A. Turhan UYAROĞLU            YAPI - Sedat Hakkı ELDE.            Mimarlıkta Teknik Resim - Orhan ŞAHİNLER &amp; Fehmi KIZIL            YAPIM İLKELER - Malzemeler - Yöntemler - Çözümler - Prof. Dr. H. Çetin TÜRKÇÜ            Mimarlık Sözlüğü - Doğan HASOL            Çizimlerle Bina Yapım Rehberi - CHING &amp; ADAMS            Kudeb Yayınları - Genel Yayınlar            Şantiye notları, örnek projeler, uygulama detayları            Architectural Graphic Standards 1. ve 2. cilt. (Amerikan Standartları)            DETAILS Dergisinin sayıları</p>