

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TIMBER STRUCTURE APPLICATIONS II	ICT2215145	Spring Semester	2+1	2,5	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Mustafa ERDEM				
Name of Lecturer(s)	Lect. Necdet KETKEN, Assist.Prof. Mustafa ERDEM				
Assistant(s)					
Aim	Timber is a natural building material, timber species will be explained within anatomical, physical, mechanical properties. Industrial timber building materials (glulam, CLT, LVL, etc) will be explained. Traditional and contemporary building examples will be share and discuss on conservation of traditional technics and design with the traditional knowledge and new technologies.				
Course Content	This course contains; Description of wood, forest land and timber demand in Turkey and Global Forest ,Advantages of timber as a Building Material,Advantages of timber as a Building Material,Industrial timber construction materials,Conservation and restoration of Timber Buildings,Conservation and restoration of Timber Buildings on case studies,Light Frame Timber Systems,Midterm,Façade claddings, types, examples ,Façade claddings, types, examples,Timber roof, description of elements,Mass timber constructions,Timber stairs, examples,Impregnation chemicals and paints.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Development of timber as a building material and design a link between past and today's construction systems.			16, 9	E, F	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	E: Homework, F: Project Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Description of wood, forest land and timber demand in Turkey and Global Forest				
2	Advantages of timber as a Building Material				
3	Advantages of timber as a Building Material				
4	Industrial timber construction materials				
5	Conservation and restoration of Timber Buildings				
6	Conservation and restoration of Timber Buildings on case studies				
7	Light Frame Timber Systems				
8	Midterm				
9	Façade claddings, types, examples				
10	Façade claddings, types, examples				
11	Timber roof, description of elements				
12	Mass timber constructions				
13	Timber stairs, examples				
14	Impregnation chemicals and paints				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Will be given in the term.