ARK-E 4014 Industrial Wood Construction - Overview
Spring 2022

Aalto University
Department of Architecture

January							February					
10.1	12.1	17.1	19.1	24.1	26.1	31.1	2.2	7.2	9.2	14.2	16.2	18.2	21.2
Pre-assignment + Course Introduction + Case study: **Historical references**	Case Study: **Small / Medium Panel Systems** + tutoring in groups	Case Study: **Large Panel systems** + tutoring in groups	Presentations Analysis 1	Case Study: **Volume Element Systems** **Guest: Matti Mikkola** (Finnish Woodworking Industies) + tutoring in groups	Case Study: **Pikku Finlandia** + tutoring in groups	Presentations Analysis 2	**Guest: Mikko Leino (Puurakentajat Oy** + tutoring in teams	**Visit: FM haus**	**Guest : Minna Riska** (Mohol towers) Research plan presentations	**Guest : Øystein Elgsaas** (Mjøstårnet) + tutoring in groups	Tutoring + working in groups	Final submission in MyCourses at 19:00	Final presentation + evaluation

Assignment 1

Case Study:
. Mjøstårnet
. Wood City office building
. Moholt Towers
. Pudasjärven Hirsihovi
. Puukuokka housing
. Life Cycle Tower

Assignment 2

Building systems:
. Stud Fame Elements
. Solid Panel Elements
. Post-Beam + Slab
. Log Solutions
. Volume Units
. Hybrid Solutions

Final Assignment

Building Type Application:
Group 1: Stud Frame Elements
Group 2: Solid Panel Elements
Group 3: Post-Beam + Slab
Group 4: Log Solutions
Group 5: Volume Units
Group 6: Hybrid Solutions