

Name of the project: Sustainable, High-Performance Building Solutions in Wood  
 Project acronym: HiBiWood  
 Coordinator of the project: Riga Building College  
 EC Project Number: 2020-1-LV01-KA203-077513



date	day of week	topic	lecturer	hours (45min)	time	
9.V.2022	MONDAY	<b>The Climate Fresk workshop. The Climate Collage Workshop and Teamwork</b> <i>Consists of a participatory active approach to understanding the scientific basis of climate change. Everybody knows something about climate change, but nobody knows everything, and the urgent massive problems our planet is facing. Our individual roles we have in teamwork.</i>	Roger Howard Taylor	3	9:00-11:15	
		Coffee break			11:15-11:30	
		<b>Climate Fresk group presentations: 5 minute around the table Climate collage presentations</b>	Roger Howard Taylor	2	11:30-12:00	
		<b>Why is it critical we build in sustainable timber and implement PBL methodology?</b> <i>Introduction of the importance of increasing the use of environmental sustainable timber in the European building and construction sectors, reducing concrete and steel consumption etc., following EU CO2 climate neutral by 2050 and International Panel of Climate Change (IPCC) climate report (August 2021), project based learning (PBL) in HEI in EU.</i>			12:00-12:30	
		<b>Division of the groups</b>			12:30-13:00	
		L U N C H			13:00-14:00	
		Preparatory Task: Presentations		4	14:00-17:00	
10.V.2022	TUESDAY	Group work - basic knowledge - fact sheets		2	9:00-10:30	Topic: Thinking in timber
		Group work (scrutinizing, analyzing, outline proposal)		3	10:30-12:45	
		L U N C H			13:00-14:00	
		<b>Architecture for timber engineers. Basic knowledge for engineers</b>	Martin Aichholzer/ online	2	14:00-15:30	
		<b>Architecture - How to think in timber?</b>	Martin Aichholzer/online	1	15:30-16:15	
		Group work		1	16:15-17:00	
11.V.2022	WEDNESDAY	<b>Introduction to engineered timber systems and components</b>	Matthias Doubek/online	1	9:00-9:45	Topic: Load bearing structures
		<b>Building physics - Heat / Sound / Moisture management.</b> Advanced: products and technologies for preventing moisture spreading, sound and vibration and heat. details and sketches	Łukasz Wesołowski (CUT)	1	9:45-10:45	
		Coffee break			10:45-11:30	
		<b>Flat roof solutions (construction, materials)</b>	Vilma Vaičekauskienė (KVM)	2	11:30-13:00	
		L U N C H			13:00-14:00	
		Group Work - Load bearing structures in buildings		3	14:00-16:15	
		<b>Structural-Systems_Elements – Part 01</b>	Matthias Doubek/online	1	16:15-17:00	
12.V.2022	THURSDAY	<b>Openings (window and door fixing) . Various material frames, various wall systems, details</b>	Łukasz Wesołowski (CUT)	1	9:00-9:45	Topic: External walls
		Coffee break			9:45-10:00	
		<b>Facade finishing types (construction/materials).</b> Technical examples of diferent facade finishing types, performance, details	Wacław Celadyn (CUT)	2	10:00-11:30	
		<b>Wooden facades, plaster systems</b>	Matthias Doubek - online	1	11:30-12:15	
		<b>Structural-Systems_Elements – Part 02</b>	Matthias Doubek - online	1	12:15-13:00	
		L U N C H			13:00-14:00	
		Group work		4	14:00-17:00	
13.V.2022	FRIDAY	<b>Timber technology, construction, connections, structural systems</b>	Rothoblaas	1	9:00-9:45	Topic: Roofs
		<b>Introduction to Eurocodes / Eurocodes / ECS</b>	Stanisław Jurczakiewicz (CUT)	2	9:45-11:15	
		Coffee break			11:15-11:30	
		<b>Interior finishing (walls, ceilings, floors)</b>	Aiva Dreimane - Ozolzile	1	11:30-12:15	
		<b>Building Construction: Plan generation and structural drawing</b>	Aiva Dreimane - Ozolzile	1	12:15-13:00	
		L U N C H			13:00-14:00	
		Group Work		4	14:00-17:00	
16.V.2022	MONDAY	<b>Design coordination (local regulations, fire protection) . Regulations and building services that may influence extra volumes and plan changes - coordination. Fire protection terms and rules</b>	Łukasz Wesołowski (CUT)	2	9:00-10:30	Topic: Stairways and enclosures, balconies
		<b>Building installations - prefabrication wet rooms (onsite/partly prefab/prefab) Building services, paths. Good and bad examples of providing services, coordination. Possible prefabrication</b>	Mark Anderson/ Peter Anderson	2	10:30-12:00	
		<b>Balcony design and construction.</b> There is much more to the design and construction of a balcony that first meets the eye. A truly multi-disciplinary building component involving: Architectural design, structural design, building physics, planning and management, building services, fire and safety etc.	Roger Howard Taylor	1	12:15-13:00	
		L U N C H			13:00-14:00	
		Group Work			14:00-17:00	
		Mid term evaluation. max 20 min/ group				
17.V.2022	TUESDAY	<b>Timber BIM modeling</b>	Kalle Rohola	2	9:00-10:30	Topic: walls and floors
		<b>Best practice Details, Constrction, Architecture.</b> Examples of best practices in timber structures and architecture - case studies	Łukasz Wesołowski CUT	1	10:30-11:15	
		<b>Production, interfaces, quality assurance, craft,prefabrication, details</b>	Stora Enso	2	11:30-13:00	
		L U N C H			13:00-14:00	
		Group Work			14:00-17:00	
18.V.2022	WEDNESDAY	<b>Educational building in Marszewo - first CLT public building in Poland - case study.</b> Presentation of a building, design process and construction process - comments on problems and current situation on polish market	Marcin Gierbienis, Damian Poklewski-Koziół, (CUT)	2	9:00-10:30	Topic: Case studies
		<b>Group Work: Timber detailing</b>	Matthias Doubek	3	10:30-13:00	
		L U N C H			13:00-14:00	
		Group Work		4	14:00-17:00	
		* Project organization meeting				
19.V.2022	THURSDAY	Group Work		5	9:00-13:00	Topic: Student's intensive work
		L U N C H			13:00-14:00	
		Groups presentation (~40 minutes - 5min for student)		4	14:00-17:00	
20.V.2022	FRIDAY	<b>Factory trip</b>		5	9:00-13:00	
		L U N C H			13:00-14:00	
		Feedback		4	14:00-17:00	