

STUDY PROGRAMME CURRICULUM WOOD ENGINEERING

2024/2025

Name of study programme	Wood engineering
Programme characteristics	
Type	higher professional
Cycle	bachelor
University of Ljubljana members	• Biotechnical Faculty, Jamnikarjeva ulica 101, 1000 Ljubljana, Slovenija

Year 1, obvezni

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0625529	Technical mechanics	Gorazd Fajdiga	45	0	30	0	0	75	150	6	2nd semester	no
2.	0625530	Wood Anatomy	Maks Merela	45	0	50	0	0	80	175	7	1st semester	no
3.	0625531	Tehnickal Physics	Rok Petkovšek	45	0	30	0	0	75	150	6	1st semester	no
4.	0625532	Non-woody Materials in Production of Furniture	Marko Petrič	20	0	15	0	0	40	75	3	1st semester	no
5.	0625533	Construction	Manja Kitek Kuzman	50	5	50	0	0	95	200	8	1st semester	no
6.	0625534	Wood Physics	Aleš Straže	45	0	35	0	0	70	150	6	2nd semester	no
7.	0625535	Basics of wood and bark chemistry	Ida Poljanšek, Primož Oven	50	0	40	0	0	85	175	7	2nd semester	no
8.	0625536	Wood Processing Tools and Machines	Gorazd Fajdiga	60	0	75	0	0	140	275	11	2nd semester	no
9.	0625537	Mathematical Methods	Petra Grošelj	45	0	30	0	0	75	150	6	1st semester	no

	Total	405	5	355	0	0	735	1500	60	
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Year 2, obvezni

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0625538	Wood Use	Maks Merela	15	0	15	0	0	45	75	3	2nd semester	no
2.	0625539	Wood drying	Aleš Straže	40	0	35	0	0	75	150	6	1st semester	no
3.	0625540	Glued wood	Milan Šernek	45	0	30	0	0	75	150	6	2nd semester	no
4.	0625541	Organization of production in wood industry company	Leon Oblak	40	0	35	0	0	75	150	6	2nd semester	no
5.	0625542	Economics of Wood-Industry Company and Basics of Entrepreneurship	Jože Kropivšek	60	5	55	0	0	105	225	9	1st semester	no
6.	0625543	Processing Technologies	Dominika Gornik Bučar, Miran Merhar	50	0	55	0	0	120	225	9	2nd semester	no
7.	0625544	Wood decay and protection	Miha Humar	45	0	30	0	0	75	150	6	2nd semester	no
8.	0625545	Primary Processing and Preparation of Raw Material	Dominika Gornik Bučar	55	0	50	0	0	70	175	7	1st semester	no
9.	0625546	Wood-Based Panels from Particles and Fibres	Sergej Medved	55	0	50	0	0	95	200	8	1st semester	no
Total				405	5	355	0	0	735	1500	60		

Year 3, obvezni

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms	Individual student work	Total hours	ECTS	Semesters	Elective

								of study					
1.	0625547	Management of Wood Products	Leon Oblak	40	10	25	0	0	75	150	6	1st semester	no
2.	0625548	Technologies of Surface Finishing of Wood and Wood - based Composites	Marko Petrič	35	0	55	0	0	85	175	7	1st semester	no
3.	0625549	Industrial Energy Engineering	Andrej Senegačnik	20	0	15	0	0	40	75	3	1st semester	no
4.	0625550	Design of Technological Processes	Milan Šernek	30	0	20	0	0	50	100	4	1st semester	no
5.	0625551	Practical Training 1	Visokošolski učitelj s habilitacijo	0	0	0	0	25	75	100	4	1st semester	no
6.	0625552	Practical Training 2	Visokošolski učitelj s habilitacijo	0	0	0	0	75	250	325	13	2nd semester	no
7.	0625553	Master Thesis						30	95	125	5	2nd semester	no
8.	0625554	Elective Subjects						225	225	450	18	1st semester, 2nd semester	yes
Total				125	10	115	0	355	895	1500	60		

Year 3, IZBIRNI

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0625555	Quantitative methods	Petra Grošelj	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
2.	0625556	Dendrology for Wood Engineers	Robert Brus	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
3.	0625557	Wood-based composites surfacing technology	Sergej Medved	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes

4.	0625558	Entrepreneurship	Jože Kropivšek	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
5.	0625559	Interior Design and Composition	Manja Kitek Kuzman	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
6.	0625560	Fire protection and modification of wood	Boštjan Lesar, Miha Humar	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
7.	0625561	Wood in final construction works	Aleš Straže	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
8.	0625562	Recovery and application of wood and bark extractives	Ida Poljanšek, Primož Oven	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
9.	0625563	Standards and certification in wood industry	Bogdan Šega	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
10.	0625564	Wood biomass fuels	Dominika Gornik Bučar	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
11.	0642754	CNC woodworking technologies	Miran Merhar	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
12.	0642755	Dimensioning of load-bearing elements of wooden structures	Gorazd Fajdiga	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
13.	0642756	Surface finishing of wood in exterior applications	Matjaž Pavlič	20	0	20	0	0	35	75	3	2nd semester	yes
Total				260	0	260	0	0	455	975	39		