

STUDY PROGRAMME CURRICULUM

WOOD SCIENCE AND TECHNOLOGY

2025/2026

Name of study programme	Wood science and technology
Programme characteristics	
Type	academic
Cycle	bachelor
University of Ljubljana members	• Biotechnical Faculty, Jamnikarjeva ulica 101, 1000 Ljubljana, Slovenija

Year 1, 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.	0625590	Mathematics	Primož Moravec	55	0	50	0	0	95	200	8	1st semester	no
2.	0625591	Physics	Rok Petkovšek	60	0	50	0	0	90	200	8	1st semester	no
3.	0625592	Technical drawing and descriptive geometry	Manja Kitek Kuzman	25	0	25	0	0	50	100	4	2nd semester	no
4.	0625593	Mechanics	Pino Koc	40	0	40	0	0	95	175	7	2nd semester	no
5.	0625594	Wood pests	Miha Humar	35	5	35	0	0	75	150	6	1st semester	no
6.	0625595	Wood Chemistry	Ida Poljanšek, Primož Oven	60	0	50	0	0	90	200	8	1st semester	no
7.	0625596	Wood mechanical processing machinery	Gorazd Fajdiga	60	0	50	0	0	90	200	8	2nd semester	no
8.	0625597	Introduction to Materials Science for Wood Engineering	Marko Petrič	15	5	20	0	0	35	75	3	2nd semester	no

9.	0625598	Wood Structure I	Maks Merela	40	0	50	0	0	110	200	8	2nd semester	no
		Total		390	10	370	0	0	730	1500	60		

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.	0625599	Wood science and technology	Aleš Straže	45	0	30	0	0	75	150	6	1st semester	no
2.	0625600	Adhesives and bonding of wood	Milan Šernek	45	5	45	0	0	80	175	7	1st semester	no
3.	0625601	Wood protection	Miha Humar	35	5	35	0	0	50	125	5	2nd semester	no
4.	0625602	Construction and Design	Manja Kitek Kuzman	35	0	40	0	0	50	125	5	1st semester	no
5.	0625603	Management of wood industry company with microeconomics	Jože Kropivšek	60	10	50	0	0	105	225	9	1st semester	no
6.	0625604	Wood drying technology	Aleš Straže	45	0	40	0	0	90	175	7	2nd semester	no
7.	0625605	Primary processing technologies	Dominika Gornik Bučar	50	0	50	0	0	125	225	9	2nd semester	no
8.	0625606	Management of Production Processes in Wood Industry	Leon Oblak	40	0	35	0	0	75	150	6	2nd semester	no
9.	0625607	Elective Subjects		0	0	30	0	30	90	150	6	1st semester, 2nd semester	yes
		Total		355	20	355	0	30	740	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.	0625608	Quantitative Methods and Statistics	Hana Šinkovec, Petra Grošelj	30	10	20	0	0	65	125	5	2nd semester	no
2.	0625609	Wood and wood based materials mechanical processing technologies	Miran Merhar	65	0	50	0	0	110	225	9	1st semester	no
3.	0625610	Woody biomass in biorefineries	Ida Poljanšek, Primož Oven	20	0	20	0	0	35	75	3	1st semester	no
4.	0625611	Structural Wood-based Composites	Milan Šernek	45	15	35	0	0	80	175	7	2nd semester	no
5.	0625612	Wood based composites I	Sergej Medved	55	0	40	0	0	80	175	7	1st semester	no
6.	0625613	Surface finishing of wood and lignocellulosic materials	Marko Petrič	45	0	45	0	0	85	175	7	2nd semester	no
7.	0625614	Marketing management in wood industry	Leon Oblak	40	10	25	0	0	75	150	5	1st semester	no
8.	0625615	Diploma thesis	Visokošolski učitelj s habilitacijo	0	0	0	0	30	95	125	5	2nd semester	no
9.	0625616	Elective Subjects		80		80			140	300	12	1st semester, 2nd semester	no
10.	0625616	Elective Subjects		80		80			140	300	12	1st semester, 2nd semester	no
Total				460	35	395	0	30	905	1825	72		

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				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.	0625618	Wood Structure II	Maks Merela	40	0	40	0	0	70	150	6	1st semester, 2nd semester	yes
2.	0625619	Computer Based Construction	Manja Kitek Kuzman	20	0	20	0	0	40	80	3	1st semester, 2nd semester	yes
3.	0625620	Dendrology	Robert Brus	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
4.	0625621	Wood-plastic and light weight wood-based composites	Sergej Medved	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
5.	0625622	Biotechnology in wood industry	Miha Humar	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
6.	0625623	Nanofibrilated cellulose from woody fibers	Ida Poljanšek, Primož Oven	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
7.	0625624	Chemical structure of wood	Primož Oven	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
8.	0625625	Business computer technologies	Jože Kropivšek	20	0	20	0	0	35	75	3	1st semester, 2nd semester	yes
Total				180	0	180	0	0	320	680	27		