

STUDY PROGRAMME CURRICULUM AGRICULTURE - AGRONOMY AND HORTICULTURE

2024/2025

Name of study programme	Agriculture - agronomy and horticulture
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.	0625416	Practical course in Mathematics	Petra Grošelj	25	0	25	0	0	50	100	4	1st semester	no
2.	0625417	Chemistry and Biochemistry	Lea Pogačnik da Silva, Nataša Šegatin	30	0	30	0	0	65	125	5	1st semester	no
3.	0625418	Botany of Agricultural Plants	Helena Šircelj	45	0	45	0	0	85	175	7	1st semester	no
4.	0625419	Agrometeorology	Tjaša Pogačar	30	0	20	0	0	50	100	4	1st semester	no
5.	0625420	Introduction to Soil Science	Marko Zupan	35	0	40	0	0	75	150	6	1st semester	no
6.	0625421	General Field Crop Production	Darja Kocjan Ačko	50	5	45	0	0	100	200	8	2nd semester	no
7.	0625422	Land Management	Marina Pintar	45	0	45	0	0	85	175	7	2nd semester	no
8.	0625423	Marketing	Andrej Udovč	30	0	30	0	0	65	125	5	2nd semester	no
9.	0625424	Ecological Principles of Environment and Nature Protection	Boris Turk, Marko Zupan	26	4	30	0	0	65	125	5	2nd semester	no

10.	0625425	Basics of Horticulture	Denis Rusjan, Gregor Osterc, Metka Hudina, Nina Kacjan Maršič	45	0	65	0	0	125	235	9	All-year	no
Total				361	9	375	0	0	765	1510	60		

Agronomy (direction/track)

Year 2, 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.	0625426	Genetics, Biotechnology and Plant Breeding	Zlata Luthar	45	15	65	0	0	125	250	10	1st semester	no
2.	0625427	Agricultural Machinery	Rajko Bernik	45	0	55	0	0	100	200	8	1st semester	no
3.	0625431	Practical Training	Visokošolski učitelj s habilitacijo	0	0	0	0	150	150	300	12	2nd semester	no
4.	0625454	Field Crop Production	Darja Kocjan Ačko	60	5	60	0	15	125	265	10	1st semester	no
5.	0625455	Grassland And Pasture Management	Jure Čop, Matej Vidrih	80	0	85	0	0	160	325	13	All-year	no
6.	0625456	Introduction to Animal Science	Dušan Terčič	45	0	45	0	0	85	175	7	2nd semester	no
Total				275	20	310	0	165	745	1515	60		

Year 3, obvezni

				Contact hours									
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	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0625432	Farm Economics	Andrej Udovč	45	0	45	0	0	85	175	7	1st semester	no
2.	0625433	Protection of Cultivated Plants	Franci Aco Celar, Stanislav Trdan	40	10	25	0	0	75	150	6	1st semester	no
3.	0625435	Diploma Project		0	0	0	0	85	90	175	7	All-year	no
4.	0625460	Animal Nutrition	Ajda Kermauner Kavčič	55	0	20	0	0	75	150	6	1st semester	no
5.	0625461	Cattle Husbandry	Marija Klopčič	35	5	35	0	0	75	150	6	1st semester	no
6.	0625462	Organic Farming	Darja Kocjan Ačko	30	3	17	0	0	50	100	4	2nd semester	no
7.	0625463	Phytomedicine of Field and Fodder Crops	Franci Aco Celar, Stanislav Trdan	20	0	20	0	0	35	75	3	2nd semester	no
8.	0625437	Practical Training	Visokošolski učitelj s habilitacijo	0	0	0	0	35	40	75	3	1st semester	no
9.	0625440	Elective Subjects						180	270	450	18	2nd semester	yes
		Total		225	18	162	0	300	795	1500	60		

Horticulture (direction/track)

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.	0625426	Genetics, Biotechnology and Plant Breeding	Zlata Luthar	45	15	65	0	0	125	250	10	1st semester	no
2.	0625427	Agricultural Machinery	Rajko Bernik	45	0	55	0	0	100	200	8	1st semester	no

3.	0625428	Fruit Growing	Franc Štampar, Metka Hudina	60	0	65	0	0	125	250	10	All-year	no
4.	0625429	Viticulture and Enology	Denis Rusjan	60	0	65	0	0	125	250	10	All-year	no
5.	0625430	Vegetable Growing	Nina Kacjan Maršič	60	0	65	0	0	125	250	10	All-year	no
6.	0625431	Practical Training	Visokošolski učitelj s habilitacijo	0	0	0	0	150	150	300	12	2nd semester	no
Total				270	15	315	0	150	750	1500	60		

Year 3, 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.	0625432	Farm Economics	Andrej Udovč	45	0	45	0	0	85	175	7	1st semester	no
2.	0625433	Protection of Cultivated Plants	Franci Aco Celar, Stanislav Trdan	40	10	25	0	0	75	150	6	1st semester	no
3.	0625434	Principles of Ornamental Plants	Gregor Osterc	35	0	40	0	0	75	150	6	1st semester	no
4.	0625435	Diploma Project		0	0	0	0	85	90	175	7	All-year	no
5.	0625436	Phytomedicine in Horticulture	Franci Aco Celar, Stanislav Trdan	20	0	20	0	0	35	75	3	2nd semester	no
6.	0625437	Practical Training	Visokošolski učitelj s habilitacijo	0	0	0	0	35	40	75	3	1st semester	no
7.	0625438	Fruit and Grapevine Nursery	Denis Rusjan, Gregor Osterc	35	0	40	0	0	75	150	6	1st semester	no
8.	0625439	Principles of Lanscarpe Horticulture	Gregor Osterc	30	0	20	0	0	50	100	4	2nd semester	no

9.	0625440	Elective Subjects							180	270	450	18	2nd semester	yes
		Total		205	10	190	0		300	795	1500	60		

Izbirni predmeti

	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.	0625441	Medicinal and Aromatic Plants	Dea Baričević	15	0	15	0	0	45	75	3	1st semester, 2nd semester	yes
2.	0625442	Biotechnological protocols for plant propagation	Katarina Rudolf Pilih	15	0	15	0	0	45	75	3	1st semester, 2nd semester	yes
3.	0625443	Soil Fertility and Fertilization	Rok Mihelič	20	0	10	0	0	45	75	3	1st semester, 2nd semester	yes
4.	0625444	Horticultural Machinery	Rajko Bernik	10	5	15	0	0	45	75	3	1st semester, 2nd semester	yes
5.	0625445	Climatology	Tjaša Pogačar	20	0	10	0	0	45	75	3	1st semester, 2nd semester	yes
6.	0625446	Orchard Planning	Franc Štampar	5	10	15	0	0	45	75	3	1st semester, 2nd semester	yes
7.	0625447	Hydroponic and aquaponic plants production	Nina Kacjan Maršič, Simona Sušnik Bajec	15	0	20	0	0	40	75	3	2nd semester	yes
8.	0625448	Mushrooms Cultivation	Andrej Gregori	20	0	10	0	0	45	75	3	1st semester, 2nd semester	yes
9.	0625449	Useful and Poisonous Wild Plants and Fungi	Dominik Vodnik, Helena Šircelj	17	3	10	0	0	45	75	3	1st semester, 2nd semester	yes
10.	0625450	Soil Ecology	Domen Leštan	15	0	15	0	0	45	75	3	1st semester, 2nd semester	yes
11.	0643410	Alternative food sources	Barbka Jeršek, Blaž Cigić, Polona Jamnik,	15	0	20	0	0	40	75	3	2nd semester	yes

			Tomaž Polak										
12.	0643411	Beneficial microbes, biostimulants and their application in sustainable agriculture	Ines Mandić Mulec, Lijana Fanedl, Rok Mihelič	15	0	15	0	5	40	75	3	2nd semester	yes
13.	0643412	Principles and practices of nature conservation in agriculture	Klemen Eler, Šumrada Tanja, Valerija Zakšek	15	0	15	0	5	40	75	3	2nd semester	yes
14.	0643413	Urban gardens and sustainable use of resources	Darja Istenič, Darja Matjašec, Nina Kacjan Maršič	15	0	15	0	5	40	75	3	2nd semester	yes
Total				212	18	200	0	15	605	1050	42		