

STUDY PROGRAMME CURRICULUM BIOLOGY EDUCATION

2025/2026

Name of study programme	Biology education
Programme characteristics	teacher education
Type	master's
Cycle	master
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.	0603946	Didactics of Biology I	Iztok Tomažič	30	0	30	0	0	40	100	4	1st semester	no
2.	0603947	Psychology of Learning and Teaching	Melita Puklek Levpušček	60	30	0	0	0	85	175	7	1st semester	no
3.	0603948	Ecosystems	Gorazd Urbanič, Irena Maček, Ivan Kos	60	0	35	0	5	100	200	8	1st semester	no
4.	0603949	Functional Cell Biology	Marjana Regvar, Marko Kreft, Nada Žnidaršič	60	0	30	0	0	110	200	8	1st semester	no
5.	0603950	Didactics of Biology II	Iztok Tomažič	45		65	0	0	115	225	9	2nd semester	no
6.	0603951	Biological Practicum for Teachers	Iztok Tomažič	15	0	65	0	35	35	150	6	2nd semester	no
7.	0603952	Pedagogy to Andragogy	Monika Govekar Okoliš	75	0	0	0	0	50	125	5	2nd semester	no

8.	0603953	Didactics	Jana Kalin	30	0	15	0	0	55	100	4	2nd semester	no
9.	0592469	Elective Subject							150	150	6	2nd semester	yes
10.	0592489	Elective Subject							75	75	3	1st semester	yes
Total				375	30	240	0	40	815	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.	0625661	Human Physiology	Marko Kreft	20	10	15	0	25	80	150	6	1st semester	no
2.	0625656	Genetics of Eukaryotes	Uroš Petrovič	60	0	45	0	0	120	225	9	1st semester	no
3.	0603961	Didactics of Biology III	Iztok Tomažič	30	0	30	0	0	15	75	3	1st semester	no
4.	0603962	Pedagogical Praxis II	Iztok Tomažič		0	6	0	70	174	250	10	2nd semester	no
5.	0603963	Master of Science Thesis		0	0	0	0	0	500	500	20	2nd semester	no
6.	0603964	Elective Subjects							75	75	3	1st semester	yes
7.	0608424	Pedagogical Praxis I	Iztok Tomažič	0		6	0	35	84	125	5	1st semester	no
8.	0603966	Obvezni pedagoški predmet		30	30				40	100	4	1st semester	yes
Total				140	40	102	0	130	1088	1500	60		

Year 2, Obvezni pedagoški predmet

				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.	0603956	PHILOSOPHICAL AND SOCIOLOGICAL	Janez Krek,	30	30				40	100	4	1st semester	yes

		ASPECTS OF EDUCATION	Slavko Gaber										
2.	0603957	RESEARCH METHODOLOGY IN EDUCATION	Janez Vogrinc	30	30				40	100	4	1st semester	yes
3.	0603958	Research in biology education	Iztok Tomažič	30	15	15			40	100	4	1st semester	yes
Total				90	75	15	0	0	120	300	12		

Izbirni predmeti

				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.	0603967	Applications of Genetics	Uroš Petrovič	30	0	15	0	0	30	75	3	1st semester, 2nd semester	yes
2.	0603968	Freshwater Ecology	Gorazd Urbanič	40	0	35	0	10	65	150	6	1st semester, 2nd semester	yes
3.	0603969	Environmental Changes and Nature Conservation	Irena Maček	20	10	10	0	5	30	75	3	1st semester, 2nd semester	yes
4.	0603970	Plant Growth and Development	Marjana Regvar	30	0	40	0	5	75	150	6	1st semester, 2nd semester	yes
5.	0603971	Organisms in Biology Instruction	Iztok Tomažič	20	0	20	0	5	30	75	3	1st semester, 2nd semester	yes
6.	0603972	TALENT AND CREATIVITY IN SCHOOL	Valentin Bucik	30					45	75	3	1st semester, 2nd semester	yes
7.	0603973	BASICS OF FOREST MANAGEMENT	Igor Potočnik	30		10			35	75	3	1st semester, 2nd semester	yes
8.	0603974	TECHNOLOGIES OF PRODUCTION OF AGRICULTURAL PLANTS	Nina Kacjan Maršič	30		10			35	75	3	1st semester, 2nd semester	yes
9.	0625683	BASICS OF THEORETICAL AND SYSTEMS BIOLOGY	Igor Jerman	30					45	75	3	1st semester, 2nd semester	yes

10.	0644422	Chemistry in Science with Didactics	Slapničar Miha	30	15	30			75	150	6	1st semester	yes
11.	0644424	Physics in Science with Didactics	Rovšek Barbara	30	15	30			75	150	6	1st semester	yes
12.	0644425	Project and fieldwork in science education	Iztok Tomažič	5		35			35	75	3	1st semester, 2nd semester	yes
Total				325	40	235	0	25	575	1200	48		