

## STUDY PROGRAMME CURRICULUM MICROBIOLOGY

2025/2026

Name of study programme	<b>Microbiology</b>
Programme characteristics	
Type	academic
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.	0626819	Introduction to Microbiology	Gorazd Avguštin	20	15	0	0	0	40	75	3	1st semester	no
2.	0626820	Microbiology Practicum	Gorazd Avguštin	10	0	80	0	0	60	150	6	1st semester	no
3.	0626821	Mathematical Methods	Petar Pavešič	45	0	30	0	0	75	150	6	1st semester	no
4.	0626822	Chemistry	Iztok Prislan	60	5	45	0	0	115	225	9	1st semester	no
5.	0626823	Biology of Multi-cellular Organisms	Jasna Dolenc Koce, Rok Kostanjšek	45	0	30	0	0	75	150	6	2nd semester	no
6.	0626824	Cell Biology	Mateja Erdani Kreft	45	0	30	0	0	75	150	6	2nd semester	no
7.	0626825	Biochemistry	Aljoša Bavec, Matej Butala	80	0	70	0	0	150	300	12	1st semester	no
8.	0626826	Molecular Biology	Uroš Petrovič	60	0	90	0	0	150	300	12	2nd semester	no
Total				365	20	375	0	0	740	1500	60		

Year 2, 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.	0626827	Microbial Genetics	Jerneja Ambrožič Avguštin	75	0	75	0	0	150	300	12	1st semester	no
2.	0626828	Introduction to Biophysics	Dean Cvetko	45	0	30	0	0	75	150	6	1st semester	no
3.	0626829	Statistics	Damijana Kastelec	45	0	30	0	0	75	150	6	1st semester	no
4.	0626830	Immunology	Alojz Ihan, Andreja Nataša Kopitar	40	0	35	0	0	75	150	6	1st semester	no
5.	0626831	Microbial Physiology	Ines Mandić Mulec	60	15	75	0	0	150	300	12	2nd semester	no
6.	0626832	Virology	Korva Miša	30	10	35	0	0	75	150	6	2nd semester	no
7.	0626833	Bioinformatical Tools in Microbiology	Gorazd Avguštin	15	0	15	0	0	45	75	3	2nd semester	no
8.	0625500	Elective Subjects		45	15	50	0	0	115	225	9	2nd semester	yes
		Total		355	40	345	0	0	760	1500	60		

### Year 3, 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.	0626835	Microbial Ecology	David Stopar	60	0	55	0	0	110	225	9	2nd semester	no
2.	0626836	Microbial Biotechnology	Janja Trček, Maša Vodovnik	40	15	60	0	0	110	225	9	2nd semester	no
3.	0626837	Introduction to Medical Microbiology	Darja Keše	45	0	30	0	0	75	150	6	1st semester	no

4.	0626838	Analytical Methods in Microbiology	David Stopar , Gorazd Avguštin	30	15	30	0	0	75	150	6	2nd semester	no
5.	0626839	Microbial Diversity and Identification	Gorazd Avguštin, Nina Gunde Cimerman	60	0	90	0	0	150	300	12	1st semester	no
6.	0626840	Microbial Pathogenesis	Cene Gostinčar, Matej Butala, Tjaša Lukan	60	15	40	0	0	110	225	9	1st semester	no
7.	0625500	Elective Subjects		45	15	50	0	0	115	225	9	2nd semester	yes
Total				340	60	355	0	0	745	1500	60		

#### 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.	0626842	Biological Safety and Ethics	Tomaž Accetto	15	10	10	0	0	40	75	3	2nd semester	yes
2.	0626843	Industrial Microbiology	Cene Gostinčar, Neža Čadež	30	0	45	0	0	75	150	6	2nd semester	yes
3.	0626844	Emerging Pathogenic Microorganisms	Korva Miša	15	15	15	0	0	30	75	3	2nd semester	yes
4.	0626845	Individual Research Project	Visokošolski učitelj s habilitacijo	0	0	0	0	75	75	150	6	2nd semester	yes
5.	0626846	Food microbiology	Sonja Smole Možina	45	5	25	0	0	75	150	6	2nd semester	yes
6.	0626847	Mycology	Nina Gunde Cimerman	15	0	20	0	0	40	75	3	2nd semester	yes
7.	0626848	Environmental monitoring	Maša Vodovnik	30	15	30	0	0	75	150	6	2nd semester	yes

8.	0643219	Microbes and hormones	Marjanca Starčič Erjavec	15	15			15	30	75	3	2nd semester	yes
9.	0644410	Nanobiotechnology	Maša Vodovnik	15	15	10			35	75	3	2nd semester	yes
Total				180	75	155	0	90	475	975	39		