

STUDY PROGRAMME CURRICULUM

MICROBIOLOGY

2025/2026

Name of study programme	Microbiology
Programme characteristics	
Type	master's
Cycle	master
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.	0625758	Molecular Microbiology	Ines Mandić Mulec, Jerneja Ambrožič Avguštin, Uroš Petrovič	45	15	60	0	0	105	225	9	1st semester	no
2.	0625759	Physical Chemistry	San Hadži	45	0	30	0	0	75	150	6	1st semester	no
3.	0625760	Microbiology of the Gastrointestinal Tract	Gorazd Avguštin	30	15	30	0	0	75	150	6	2nd semester	no
4.	0625761	Bioprocessing	Hrvoje Petković	30	0	45	0	0	75	150	6	1st semester	no
5.	0625762	Microbiology and Biotechnology of Food	Sonja Smole Možina	20	10	45	0	0	75	150	6	2nd semester	no
6.	0625763	Environmental Protection Biotechnology	Janja Trček	20	10	45	0	0	75	150	6	2nd semester	no
7.	0625764	Sanitary Microbiology	Tadeja Matos	30	10	35	0	0	75	150	6	2nd semester	no

8.	0625765	Microbial Biochemistry	David Stopar, Matej Butala	30	0	45	0	0	150	225	9	1st semester	no
9.	0625766	Elective Subjects		30	15	30	0	0	75	150	6	2nd semester	yes
		Total		280	75	365	0	0	780	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.	0625767	Viral Diseases	Miroslav Petrovec	30	15	30	0	0	75	150	6	1st semester	no
2.	0625768	Master Thesis	Visokošolski učitelj s habilitacijo	0	0	0	0	250	500	750	30	2nd semester	no
3.	0625769	Selected Topics in Microbiology	David Stopar, Janja Trček, Tadeja Matos	60	0	30	0	0	60	150	6	1st semester	no
4.	0625770	Environment and Microbes	David Stopar	30	0	45	0	0	75	150	6	1st semester	no
5.	0625644	Elective Subjects		60	30	60	0	0	150	300	12	1st semester	yes
		Total		180	45	165	0	250	860	1500	60		

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.	0625772	Geomicrobiology	Jadran Faganeli	15	15	20	0	0	25	75	3	1st semester, 2nd semester	yes
2.	0625773	Diagnostic Immunology	Alojz Ihan, Andreja Nataša Kopitar	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
3.	0625774	Microbiology of Extreme Environments	Nina Gunde Cimerman	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes

4.	0625775	Epidemiology	Polona Maver Vodičar	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
5.	0625776	Microbiology of Aquatic and Terrestrial Ecosystems	Ines Mandić Mulec	30	0	45	0	0	75	150	6	1st semester, 2nd semester	yes
6.	0625777	Microorganisms as Bioterroristic Agents	Korva Miša	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
7.	0625778	Biotransformation and Biodegradation	Janja Trček	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
8.	0625779	Microbial Genomics and Proteomics	Maša Vodovnik, Tomaž Accetto	30	15	30	0	0	75	150	6	1st semester, 2nd semester	yes
9.	0625780	Microbiology of Sediments	Gorazd Avguštin	15	10	20	0	0	30	75	3	1st semester, 2nd semester	yes
10.	0625781	Molecular Evolution	Gorazd Avguštin, Peter Trontelj	30	15	30	0	0	75	150	6	1st semester, 2nd semester	yes
11.	0625782	Biomass and Secondary Metabolites	Hrvoje Petković	30	10	35	0	0	75	150	6	1st semester, 2nd semester	yes
12.	0625783	Human Biology and Infectious Diseases	Alojz Ihan	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
13.	0625784	Bacterial Infections of Humans	Katja Seme	30	15	30	0	0	75	150	6	1st semester, 2nd semester	yes
14.	0625785	Parasitosis	Barbara Šoba Šparl, Darja Keše	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
15.	0625786	Mycoses	Tadeja Matos	15	15	15	0	0	30	75	3	1st semester, 2nd semester	yes
Total				300	200	330	0	0	670	1500	60		