

## STUDY PROGRAMME CURRICULUM GEODESY AND GEOINFORMATICS

2023/2024

Name of study programme	<b>Geodesy and geoinformatics</b>
Programme characteristics	
Type	master's
Cycle	master
University of Ljubljana members	• Faculty of Civil and Geodetic Engineering, Jamova 2, 1000 Ljubljana, Slovenija

Year 1, compulsory

	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.	0035070	Mathematics III	Marjeta Kramar Fijavž	45	0	30	0	0	75	150	5	1st semester	no
2.	0582205	Geoinformatics II	Anka Lisec, Krištof Oštir	30	0	0	30	0	60	120	4	2nd semester	no
3.	0035079	Satellite Geodesy and Navigation	Miran Kuhar, Polona Pavlovčič Prešeren	45	0	0	30	0	75	150	5	1st semester	no
4.	0035073	Adjustment computations III	Bojan Stopar	30	0	0	30	0	60	120	4	1st semester	no
5.	0035071	Geodetic Measuring Systems	Dušan Kogoj	60	0	0	60	0	120	240	8	1st semester	no
6.	0035075	Physical geodesy	Miran Kuhar	30	0	0	30	0	60	120	4	2nd semester	no
7.	0035077	Spatial Data Analyses	Krištof Oštir, Samo Drobne	30	0	0	30	0	60	120	4	2nd semester	no

8.	0035076	Remote Sensing and Photogrammetry II	Mojca Kosmatin Fras	60	0	0	60	0	120	240	8	2nd semester	no
9.	0035078	Multipresentation Cartography	Dušan Petrovič	45	0	0	60	0	105	210	7	2nd semester	no
10.	0582214	Elective course I		60	0	45	0	0	105	210	7	1st semester	yes
11.	0582300	Practicum from spatial planning	Alma Zavodnik Lamovšek	15	0	0	45	0	60	120	4	1st semester	no
Total				450	0	75	375	0	900	1800	60		

#### Year 2, compulsory

				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.	0035082	Engineering Survey II	Božo Koler	45	0	0	45	0	90	180	6	1st semester	no
2.	0035083	Spatial Statistics	Goran Turk	30	0	30	0	0	60	120	4	1st semester	no
3.	0036684	Land consolidation and rearrangement	Anka Lisec	30	0	0	30	0	60	120	4	1st semester	no
4.	0036727	Mass real estate valuation	Marjan Čeh	30	0	30	0	0	60	120	4	1st semester	no
5.	0038695	Elective course II		90	0	90	0	0	180	360	12	1st semester	yes
6.	0035085	Project Task	Bojan Stopar, Dušan Petrovič	0	0	0	0	300	300	600	20	2nd semester	no
7.	0035080	MSc thesis		0	0	0	0	150	150	300	10	2nd semester	no
Total				225	0	150	75	450	900	1800	60		

#### Electives

				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.	0035039	Sports Education	prof. dr. Branko Škof	0	0	0	0	45	45	90	3	1st semester, 2nd semester	yes
2.	0035066	Field Project Work	Dušan Kogoj	0	0	0	0	60	60	120	4	1st semester, 2nd semester	yes
3.	0035068	Geoinformatics III	Krištof Oštir	30	0	0	30	0	60	120	4	1st semester, 2nd semester	yes
4.	0106951	Project work in cartography	Dušan Petrovič	15	15	0	30	0	60	120	4	2nd semester	yes
5.	0109692	Quality assurance of the geodetic survey	Aleš Marjetič, Tomaž Ambrožič	15	15		30		60	120	4	1st semester, 2nd semester	yes
6.	0109693	Optimization of geodetic networks	Bojan Stopar, Polona Pavlovčič Prešeren	15	15		30		60	120	4	1st semester, 2nd semester	yes
7.	0109694	Selected topics from Geodesy and Geodetic Astronomy	Bojan Stopar, Miran Kuhar, Polona Pavlovčič Prešeren	30			30		60	120	4	1st semester, 2nd semester	yes
8.	0582284	Urban Planning	Gregor Čok	30	0	0	30	0	60	120	4	1st semester, 2nd semester	yes
9.	0639961	Geophysics in geodesy	Miran Kuhar, Oskar Sterle, Polona Pavlovčič Prešeren	30	0	0	30	0	60	120	4	1st semester, 2nd semester	yes
10.	0642554	State of the art remote sensing technologies	Dejan Grigillo, Krištof Oštir	30			30		60	120	4	1st semester, 2nd semester	yes
11.	0642555	Point Clouds processing	Dejan Grigillo, Klemen Kregar	15	15		30		60	120	4	1st semester, 2nd semester	yes
Total				210	60	0	270	105	645	1290	43		