

STUDY PROGRAMME CURRICULUM GEOTECHNOLOGY AND ENVIRONMENTAL ENGINEERING

Name of study programme	Geotechnology and environmental engineering
Programme characteristics	
Type	academic
Cycle	bachelor
University of Ljubljana members	• Faculty of Natural Sciences and Engineering, Aškerčeva cesta 12, 1000 Ljubljana, Slovenija

Year 1

				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.	0067526	Physics I	Marko Žnidarič	45	0	30	0	0	75	150	5	1st semester	no
2.	0067529	Geometry in Engineering I	Goran Vižintin, Željko Vukelić	45	0	30	0	0	75	150	5	1st semester	no
3.	0067537	Computer Science and Informatics	Goran Vižintin	30	0	30	0	0	60	120	4	1st semester	no
4.	0067531	Chemistry I	Urška Lavrenčič Štangar	60	0	15	0	0	75	150	5	1st semester	no
5.	0067533	Mathematics I	Janko Bračič	60	0	30	0	0	90	180	6	1st semester	no
6.	0067535	Mechanics I	Pino Koc	45	0	30	0	0	75	150	5	1st semester	no
7.	0067527	Physics II	Borut Paul Kerševan	45	0	30	0	0	75	150	5	2nd semester	no
8.	0067528	Geology with Mineralogy and Petrology	Mirijam Vrabec	45	0	30	0	0	75	150	5	2nd semester	no
9.	0067530	Geometry in Engineering II	Goran Vižintin, Željko Vukelić	45	0	30	0	0	75	150	5	2nd semester	no
10.	0067532	Chemistry II	Iztok Turel	30	0	15	0	0	45	90	3	2nd semester	no
11.	0067534	Mathematics II	Janko Bračič	60	0	30	0	0	90	180	6	2nd semester	no
12.	0067536	Mechanics II	Pino Koc	45	0	45	0	0	90	180	6	2nd semester	no
Total				555	0	345	0	0	900	1800	60		

Year 2

	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.	0068625	Economics and Organization of Work in Geotechnology	Jurij Šporin, Željko Vukelić	45	0	45	0	0	90	180	6	1st semester	no
2.	0067539	Management and Processing of Waste Materials	Jože Kortnik	30	15	0	0	15	60	120	4	1st semester	no
3.	0067542	Soil Mechanics I	Vojkan Jovičić, Željko Vukelić	30	0	15	0	0	45	90	3	1st semester	no
4.	0067544	Mineral Processing	Jože Kortnik	45	0	45	0	0	90	180	6	1st semester	no
5.	0067545	Surveying I (Elementary Geodesy I)	Damjan Hann, Goran Vižintin	30	0	15	0	0	45	90	3	1st semester	no
6.	0067547	Basics of Mechanical Engineering I	Željko Vukelić	30	0	30	0	0	60	120	4	1st semester	no
7.	0561368	Applied Geophysics I	Goran Vižintin	30	0	30	0	0	60	120	4	1st semester	no
8.	0067541	Mathematics III	Janko Bračić	30	0	30	0	0	60	120	4	2nd semester	no
9.	0067543	Soil Mechanics II	Vojkan Jovičić, Željko Vukelić	30	0	30	0	0	60	120	4	2nd semester	no
10.	0067546	Surveying II (Elementary Geodesy II)	Damjan Hann, Goran Vižintin	30	0	15	0	15	60	120	4	2nd semester	no

11.	0067548	The Basics of Mechanical Engineering II	Željko Vukelić	45	0	45	0	0	90	180	6	2nd semester	no
12.	0067550	Environmental Management	Jože Kortnik	30	30	0	0	0	60	120	4	2nd semester	no
13.	0086886	General Optional Courses		60	0	60	0	0	120	240	8	2nd semester	no
Total				465	45	360	0	30	900	1800	60		

Year 3

	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.	0067553	Deep Drilling I	Željko Vukelić	30	0	30	0	0	60	120	4	1st semester	no
2.	0067555	Engineering Geology and Hydrogeology	Barbara Čenčur Curk, Goran Vižintin	60	30	0	0	0	90	180	6	1st semester	no
3.	0067559	Extraction of Mineral Resources I	Damjan Hann, Janez Rošer, Željko Vukelić	60	0	15	0	15	90	180	6	1st semester	no
4.	0067560	Foundation Of Structures	Vojkan Jovičić, Željko Vukelić	45	0	45	0	0	90	180	6	1st semester	no
5.	0086887	Professional Optional Course I		30	0	30	0	0	60	120	4	1st semester	no
6.	0067549	Practical Training I	Jože Kortnik	0	0	0	0	80	40	120	4	1st semester	no
7.	0067551	Ore Dressing and Recycling	Jože Kortnik	45	15	15	0	15	90	180	6	2nd semester	no
8.	0067554	Deep Drilling II	Željko Vukelić	30	0	15	0	0	45	90	3	2nd semester	no
9.	0067556	Rock Mechanics	Vojkan Jovičić, Željko Vukelić	45	15	30	0	0	90	180	6	2nd semester	no
10.	0067557	Surveying in Geoscience	Damjan Hann, Goran Vižintin	30	0	15	0	0	45	90	3	2nd semester	no

11.	0086888	Professional Optional Course II		45	0	45	0	0	90	180	6	2nd semester	no
12.	0067552	Diploma Thesis		0	0	0	0	90	90	180	6	2nd semester	no
		Total		420	60	240	0	200	880	1800	60		

Elective professional course type

				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.	0068648	Construction Materials	Damjan Hann	30	30	0	0	0	60	120	4		yes
2.	0559592	Applied Geophysics II	Goran Vižintin	45	0	45	0	0	90	180	6		yes
3.	0075658	Geotechnical Constructions	Vojkan Jovičić, Željko Vukelić	45	15	30	0	0	90	180	6		yes
4.	0075660	English for Specific Purposes	Barbara Luštek Preskar, prof. angl. in nem.	0	15	45	0	0	60	120	4		yes
5.	0075672	Fluids in Geotechnology	Željko Vukelić	30	0	30	0	0	60	120	4		yes
6.	0075821	Practical Training II	Jože Kortnik	0	0	0	0	120	60	180	6		yes
		Total		150	60	150	0	120	420	900	30		