



Programme jointly offered by Ghent University, Vrije Universiteit Brussel  
**Master of Science in Sustainable Land Management -- Urban Land Engineering**

Language of instruction: English

Programme version 2

1 General Courses						65 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002657	Soil Physics <i>Wim Cornelis -- Department of Environment</i>	5	1		A:1	150
2	I002756	Applied Statistics <i>Aisling Daly -- Department of Data Analysis and Mathematical Modelling</i>	5	1		A:1	150
3	I002774	Land Information Systems <i>Frieke Vancoillie -- Department of Environment</i>	5	1		A:1	150
4	C002615	Environmental Impact Assessment <i>Kristine Walraevens -- Department of Geology</i>	6	1		A:1	150
5	C001705	Hydrogeology <i>Thomas Hermans -- Department of Geology</i>	4	1		A:1	105
6	C003068	Hydrology and Hydrogeomorphology <i>Amaury Frankl -- Department of Geography</i>	5	1		A:1	150
7	C004257	Remote Sensing <i>Tim Van de Voorde -- Department of Geography</i>	5	1		A:2	135
8	K001298	Sustainable Development <i>Bernard Mazijn -- Department of Conflict and Development Studies</i>	5	1		A:2	150
9	C003320	Climate Change <i>Dirk Verschuren -- Department of Biology</i>	4	1		A:2	120
10	E076460	Dare to Venture <i>Johan Verruet -- Department of Marketing, Innovation and Organisation</i>	4	1		A:2	120
11	C004418	Scientific Communication on Sustainable Land Management <i>Kristine Walraevens -- Department of Geology</i>	4	1		A:2	120
12	C004259	Applied Geophysics <i>Kristine Walraevens -- Department of Geology</i>	5	1		A:2	135
13	C002660	Introduction to Geotechnics <i>Herman Peiffer -- Department of Civil Engineering</i>	3	1		A:2	90
14	C004260	Integrated Project <i>Margaret Chen -- Vrije Universiteit Brussel</i>	5	2		A:2	138

2 Courses Related to the Main Subject						45 credits
---------------------------------------	--	--	--	--	--	------------

2.1 Urban Land Engineering (VUB)	15 credits
----------------------------------	------------

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004261	Urban Hydrology and Hydraulics	5	2	A:1	125
2	C004266	Surface Water Modelling <i>Ann van Griensven -- Vrije Universiteit Brussel</i>	5	2	A:1	125
3	C004405	Water Resources Management II: EU and International Framework <i>Nora Van Cauwenbergh -- Vrije Universiteit Brussel</i>	5	2	A:1	125

2.2 Master's Dissertation	30 credits
---------------------------	------------

Nr	Course	CRDT	Ref	MT1	Session	Study
----	--------	------	-----	-----	---------	-------

**3 Elective Courses****10 credits**

Subscribe to 10 credit units from no less than 1 and no more than 2 modules from the following list. Subject to approval by the faculty.

**3.1 Elective Course List**Subscribe to no more than 10 credit units from the following list.  
Courses 2 to 9 are offered at UGent, 10 to 16 at VUB.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004265	Internship <i>Kristine Walraevens -- Department of Geology</i>	5		2	A:J	135
2	C004416	Clay Mineralogy <i>Stijn Dewaele -- Department of Geology</i>	4		2	A:2	100
3	I002454	Geostatistics <i>Ellen Van De Vijver -- Department of Environment</i>	5		2	A:2	150
4	I002715	Irrigation and Drainage <i>Wim Cornelis -- Department of Environment</i>	5		2	A:1	150
5	I002699	Land Evaluation <i>Ann Verdoort -- Department of Environment</i>	5		2	A:2	150
6	C001032	Landscape Ecology <i>Veerle Van Eetvelde -- Department of Geography</i>	5		2	A:2	150
7	C003994	Mineral Resources, Economics and the Environment <i>Stijn Dewaele -- Department of Geology</i>	6		2	A:1	150
8	I002712	Soil Degradation <i>Ann Verdoort -- Department of Environment</i>	5		2	A:2	150
9	I002664	Soil Erosion Control: Principles and Practice <i>Ann Verdoort -- Department of Environment</i>	4		2	A:1	120
10	C004267	Water and Land Interaction and Transformation <i>Margaret Chen -- Vrije Universiteit Brussel</i>	5		2	A:1	135
11	C004268	Applied Geomorphology <i>Matthieu Kervyn de Meerendre -- Vrije Universiteit Brussel</i>	5		2	(A:2) <sup>d</sup>	135
12	C004269	Decision Support Systems for Sustainability <i>Cathy Macharis -- Vrije Universiteit Brussel</i>	6		2	A:2	152
13	C004270	Natural Hazards <i>Matthieu Kervyn de Meerendre -- Vrije Universiteit Brussel</i>	3		2	A:2	90
14	C004271	Natural Risk Management <i>Matthieu Kervyn de Meerendre -- Vrije Universiteit Brussel</i>	3		2	A:2	90
15	C004272	Water Quality Assessment <i>Marc Elskens -- Vrije Universiteit Brussel</i>	4		2	A:2	100
16	C004273	Land-Climate Dynamics	5		2	A:1	135

**3.2 Elective Courses of a University of the Flemish Community**

Subscribe to no more than 10 credit units from courses of the other main subject or courses from other study programmes at universities in the Flemish Community upon approval by the curriculum committee.

## Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

## Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.

When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2023-2024	f: annually, from 2024-2025	i: annually, from 2025-2026
b: tri-annually	d: bi-annually, from 2023-2024	g: bi-annually, from 2024-2025	j: bi-annually, from 2025-2026
	e: tri-annually, from 2023-2024	h: tri-annually, from 2024-2025	k: tri-annually, from 2025-2026