



Programme jointly offered by Ghent University, Vrije Universiteit Brussel

Master of Science in Sustainable Land Management -- Land and Groundwater Management

Language of instruction: English

Programme version 4

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>Louis Coussement -- Department of Data Analysis and Mathematical Modelling</i>	5		1	A:1	150
3	I002774	Land Information Systems <i>Friek Vancoillie -- Department of Environment</i>	5		1	A:1	150
4	C002615	Environmental Impact Assessment <i>Marieke Paepen -- 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	C004259	Applied Geophysics <i>Thomas Hermans -- Department of Geology</i>	5		1	A:1	135
7	C004465	Engineering Applications in Hydrology <i>Herman Peiffer -- Department of Civil Engineering</i>	5		1	A:2	150
8	C004257	Remote Sensing <i>Tim Van de Voorde -- Department of Geography</i>	5		1	A:2	135
9	K001298	Sustainable Development <i>Bernard Mazijn -- Department of Conflict and Development Studies</i>	5		1	A:2	150
10	C003320	Climate Change <i>Dirk Verschuren -- Department of Biology</i>	4		1	A:2	120
11	E076460	Dare to Venture <i>Johan Verruet -- Department of Marketing, Innovation and Organisation</i>	4		1	A:2	120
12	C004418	Scientific Communication on Sustainable Land Management <i>Marieke Paepen -- Department of Geology</i>	4		1	A:2	120
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
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2.1	Land and Groundwater Management (UGent)	15 credits
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Nr	Course		CRDT	Ref	MT1	Session	Study
1	C002656	Groundwater Modelling <i>Thomas Hermans -- Department of Geology</i>	5		2	B:1	125
2	C002655	Groundwater Chemistry <i>Marieke Paepen -- Department of Geology</i>	5		2	B:1	125
3	I002708	Soil Water Management <i>Wim Cornelis -- Department of Environment</i>	5		2	A:2	150

2.2	Master's Dissertation	30 credits
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Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004264	Master's Dissertation <i>N. N.</i>	30		2	A:J	900

### 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 12 are offered at UGent, 13 to 21 at VUB.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004265	Internship <i>Thomas Hermans -- Department of Geology</i>	5		2	A:J	135
2	C004416	Clay Mineralogy <i>Stijn Dewaele -- Department of Geology</i>	4		2		100
3	C004539	Fluvial Processes and Management <i>Amaury Frankl -- Department of Geography</i>	5		2	A:1	150
4	I002454	Geostatistics <i>Ellen Van De Vijver -- Department of Environment</i>	5		2	A:2	150
5	C004255	Geothermal Energy <i>Wouter Deleersnyder -- Department of Geology</i>	3		2	A:2	90
6	A005569	Global Minds <i>Amaury Frankl -- Department of Geography</i>	5	UKV	2	A:2	150
7	C004415	Hydrogeophysics Project <i>Thomas Hermans -- Department of Geology</i>	6		2	A:1	150
8	I002699	Land Evaluation <i>Ann Verdoort -- Department of Environment</i>	5		2	A:2	150
9	C001032	Landscape Ecology <i>Veerle Van Eetvelde -- Department of Geography</i>	5		2	A:2	150
10	C003994	Mineral Resources, Economics and the Environment <i>Stijn Dewaele -- Department of Geology</i>	6		2	A:1	150
11	I002712	Soil Degradation <i>Ann Verdoort -- Department of Environment</i>	5		2	A:2	150
12	I002664	Soil Erosion Control: Principles and Practice <i>Ann Verdoort -- Department of Environment</i>	4		2	A:1	120
13	C004268	Applied Geomorphology <i>Matthieu Kervyn de Meerendre -- Vrije Universiteit Brussel</i>	5		2	(A:2) <sup>d</sup>	135
14	C004472	Civil Engineering Hydraulics <i>Gerlinde Lefever -- Vrije Universiteit Brussel</i>	4		2	A:1	110
15	C004269	Decision Support Systems for Sustainability <i>Cathy Macharis -- Vrije Universiteit Brussel</i>	6		2	A:2	152
16	C004471	Environmental Programming	4		2	A:1	110
17	C004473	Groundwater Modelling <i>Marijke Huysmans -- Vrije Universiteit Brussel</i>	5		2	A:1	125
18	C004273	Land-Climate Dynamics <i>Wim Thiery -- Vrije Universiteit Brussel</i>	5		2	A:1	135
19	C004271	Natural Risk Management <i>Matthieu Kervyn de Meerendre -- Vrije Universiteit Brussel</i>	3		2	A:2	90
20	C004267	Water and Land Interaction and Transformation <i>Margaret Chen -- Vrije Universiteit Brussel</i>	5		2	A:1	135
21	C004272	Water Quality Assessment <i>Marc Elskens -- Vrije Universiteit Brussel</i>	4		2	A:2	100

#### 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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028