



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 6

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	C004601	Introduction to Environmental Programming and Geostatistics <i>Harry Zekollari -- Vrije Universiteit Brussel</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	C004600	Remote Sensing <i>Quoc Dinh Nguyen -- Department of Geology</i>	6		1	A:1	180
6	C004465	Engineering Applications in Hydrology <i>Herman Peiffer -- Department of Civil Engineering</i>	5		1	A:2	150
7	C004583	Futureproof Earth: Groundwater <i>Thomas Hermans -- Department of Geology</i>	5		1	A:2	150
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>	3		1	B:2	90
10	C004621	Introduction to Geotechnics, Dredging and Offshore Constructions <i>Bruno Stuyts -- Department of Civil Engineering</i>	3		1	A:2	90
11	I002708	Soil Water Management <i>Wim Cornelis -- Department of Environment</i>	5		1	A:2	150
12	C004599	Scientific Communication on Sustainable Land Management <i>Marieke Paepen -- Department of Geology</i>	7		1	A:J	210
13	C004260	Integrated Project <i>Margaret Chen -- Vrije Universiteit Brussel</i>	5		2	A:J	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	C004631	Groundwater Modelling <i>Thomas Hermans -- Department of Geology</i>	5		2	A:1	125
2	C004658	Groundwater Chemistry <i>Marieke Paepen -- Department of Geology</i>	5		2	A:1	125
3	C004259	Applied Geophysics <i>Thomas Hermans -- Department of Geology</i>	5		2	A:1	135

2.2 Master's Dissertation						30 credits
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Nr	Course	CRDT	Ref	MT1	Session	Study
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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 curriculum committee.

3.1 Elective Course List

Subscribe to no more than 10 credit units from the following list.

Courses 2 to 14 are offered at UGent, 15 to 21 at VUB.

*The course 'Groundwater Modelling' is only open for students Urban Land Engineering (VUB).

*The course 'Climate Change Questions' is only open for students Land and Groundwater Management (UGent).

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004604	Internship <i>Thomas Hermans -- Department of Geology</i>	10		2	A:J	300
2	C004539	Fluvial Processes and Management <i>Amaury Frankl -- Department of Geography</i>	5		2	A:1	150
3	C004637	Mineral Resources, Economics & the Environment <i>Stijn Dewaele -- Department of Geology</i>	8		2	A:1	200
4	I002664	Soil Erosion Control: Principles and Practice <i>Ann Verdoodt -- Department of Environment</i>	4		2	A:1	120
5	C004638	Geo- and Climate Hazards <i>Maarten Van Daele -- Department of Geology</i>	5		2	A:1	150
6	C004643	Hydrogeophysics Project <i>Guillaume Blanchy</i>	5		2		125
7	I003101	Geostatistics <i>Ellen Van De Vijver -- Department of Environment</i>	5		2	A:2	150
8	A005569	Global Minds <i>Ines Keynaert -- Department of Public Health and Primary Care</i>	5	UKV	2	A:2	150
9	I002699	Land Evaluation <i>Ann Verdoodt -- Department of Environment</i>	5		2	A:2	150
10	C001032	Landscape Ecology <i>Veerle Van Eetvelde -- Department of Geography</i>	5		2	A:2	150
11	I002712	Soil Degradation <i>Ann Verdoodt -- Department of Environment</i>	5		2	A:2	150
12	I002718	Economics and Management of Natural Resources <i>Stijn Speelman -- Department of Agricultural Economics</i>	4		2	A:2	120
13	F001022	Dare to Venture <i>Johan Verruy -- Department of Marketing, Innovation and Organisation</i>	4		2	A:2	120
14	C004632	Advanced Subsurface Modelling for Sustainable Geo-energy <i>Tom Bultreys -- Department of Geology</i>	5		2	A:2	130
15	C004472	Civil Engineering Hydraulics <i>Gerlinde Lefever -- Vrije Universiteit Brussel</i>	4		2	A:1	110
16	C004473	Groundwater Modelling <i>Marijke Huysmans -- Vrije Universiteit Brussel</i>	5	*	2	A:1	125
17	C004661	Climate Change Questions	5	*	2	A:1	125
18	C004267	Water and Land Interaction and Transformation <i>Margaret Chen -- Vrije Universiteit Brussel</i>	5		2	A:1	135
19	C004269	Decision Support Systems for Sustainability <i>Cathy Macharis -- Vrije Universiteit Brussel</i>	6		2	A:2	152
20	C004271	Natural Risk Management <i>Matthieu Kerwyn de Meerendre -- Vrije Universiteit Brussel</i>	3		2	A:2	90
21	C004615	Greening the City <i>Externe lesgever -- Vrije Universiteit Brussel</i>	6		2	A:2	160

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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030