

Faculty of Sciences

Master of Science in Geography and Geomatics

Language of instruction: Dutch

Programme version 1

## 1 General Courses 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004170 Research Design [en] <i>Veerle Van Eetvelde -- Department of Geography</i>	5		1	A:J	150
2	C001623 Physical Environment and Development <i>Sil Lanckriet -- Department of Geography</i>	5		1	A:2	150
3	C004171 GIS: Applications [en, nl] <i>Nico Van de Weghe -- Department of Geography</i>	7		1	B:1	210
4	C004172 Remote Sensing: Applications <i>Rudi Goossens -- Department of Geography</i>	5		1	A:2	150
5	C004173 Integrated International Projectwork [nl, en] <i>Veerle Van Eetvelde -- Department of Geography</i>	8		1	A:J	240

## 2 Minors 30 credits

Subscribe to 30 credit units from 1 minor from the following list. Subject to approval by the faculty.  
To obtain the professional title of sworn surveyor, the minor Surveying and the major Topography & Hydrography must be chosen.

### 2.1 Minor Research & Development 30 credits

Subscribe to 25 credit units from no less than 1 and no more than 2 modules from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004182 Internship 1 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150

#### 2.1.1 Elective Courses

Subscribe to no more than 13 credit units from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004190 Internship 2 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150
2	C004183 Practical Skills in Academic Geo-education <i>Nico Van de Weghe -- Department of Geography</i>	3			A:J	90
3	K001339 Sustainability Thinking <i>Thomas Block -- Department of Political Sciences</i>	5	UKV		A:J	150

#### 2.1.2 Elective Courses Flemish Community

Subscribe to no more than 25 credit units from the study programmes of UGent including courses from the other majors Geography & Geomatics, the [Ghent University elective courses](#) or from other universities of the Flemish Community.

### 2.2 Minor Environment & Planning 30 credits

Subscribe to 25 credit units from no less than 1 and no more than 2 modules from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004182 Internship 1 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150

#### 2.2.1 Elective Courses

Subscribe to no less than 15 and no more than 25 credit units from the following list, with 15 credit units with reference a.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004190 Internship 2 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150

2	C004184	Project Landscape Science and Spatial Planning <i>Veerle Van Eetvelde -- Department of Geography</i>	5	a	A:1	150
3	E084910	Juridical Aspects <i>Tom De Waele -- Department of European, Public and International Law</i>	5	a	A:1	150
4	E085723	Integrating Spatial Policy and Project Management <i>Ann Pisman -- Department of Civil Engineering</i>	6	a	A:2	180
5	E086611	Mobility, Spatial Planning and Urban Design of Infrastructure <i>Filip Boelaert -- Department of Civil Engineering</i>	3	a	A:1	90
6	E084970	Integrated Approach to Water Management and Environmental Policy <i>Renaat De Sutter -- Department of Civil Engineering</i>	3	a	A:2	90
7	I002691	Nature Conservation <i>Lander Baeten -- Department of Environment</i>	4	a	A:1	120
8	I002697	Urban Green Management <i>Jan Mertens -- Department of Environment</i>	4	a	A:1	120
9	E076431	Introduction to Entrepreneurship [en] <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3		A:1	90
10	E076460	Dare to Venture [en] <i>Johan Verrue -- Department of Marketing, Innovation and Organisation</i>	4		A:2	120
11	E076930	Financial and Cost Price Reporting in Companies <i>Faculteit Economie en Bedrijfskunde, Sophie Maussen -- Department of Accounting, Corporate Finance and Taxation</i>	6		A:1	180
12	F000859	Corporate Social Responsibility <i>Saskia Crucke -- Department of Marketing, Innovation and Organisation</i>	3		A:2	90

## 2.2.2 Elective Courses Flemish Community

Subscribe to no more than 10 credit units from the study programmes of UGent including courses from the other majors Geography & Geomatics, the [Ghent University elective courses](#) or from other universities of the Flemish Community.

## 2.3 Minor Surveying

30 credits

Subscribe to 8 credit units from no less than 1 and no more than 2 modules from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004182 Internship 1 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150
2	B001319 Environmental Law <i>Geert Van Hoorick -- Department of European, Public and International Law</i>	3			B:1	90
3	C003072 Legal Aspects of Real Estate <i>Joke Baeck -- Department of Interdisciplinary Study of Law, Private Law and Business Law</i>	5			A:1	150
4	C004185 Surveying Aspects of Real Estate Expertise <i>Alain De Wulf -- Department of Geography</i>	4			A:2	120
5	C004186 Surveying Project <i>Alain De Wulf -- Department of Geography</i>	5			A:1	150

## 2.3.1 Elective Courses

Subscribe to no more than 8 credit units from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004190 Internship 2 <i>Rudi Goossens -- Department of Geography</i>	5			A:J	150
2	E076621 Principles of Law and Construction Law <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	3			A:1	90
3	E084910 Juridical Aspects <i>Tom De Waele -- Department of European, Public and International Law</i>	5			A:1	150
4	E076431 Introduction to Entrepreneurship [en] <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3			A:1	90
5	E076460 Dare to Venture [en] <i>Johan Verrue -- Department of Marketing, Innovation and Organisation</i>	4			A:2	120
6	E076930 Financial and Cost Price Reporting in Companies <i>Faculteit Economie en Bedrijfskunde, Sophie Maussen -- Department of Accounting, Corporate Finance and Taxation</i>	6			A:1	180
7	F000859 Corporate Social Responsibility <i>Saskia Crucke -- Department of Marketing, Innovation and Organisation</i>	3			A:2	90

## 2.3.2 Elective Courses Flemish Community

### 3 Majors

30 credits

Subscribe to 30 credit units from 2 modules from the following list. Subject to approval by the faculty.

To obtain the professional title of sworn surveyor, the minor Surveying and the major Topography & Hydrography must be chosen.

#### 3.1 Major Physical Geography

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004175 Climate Change and Topoclimatology [en, nl] <i>Piet Termonia -- Department of Physics and Astronomy</i>	5			A:1	150
2	C003068 Hydrology and Hydrogeomorphology [en] <i>Amaury Frankl -- Department of Geography</i>	5			A:1	150
3	C004176 Study of the Quaternary [en, nl] <i>Maarten Van Daele -- Department of Geology</i>	5			A:2	150

#### 3.2 Major Landscape Science

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003145 Landscape Management and Design <i>Veerle Van Eetvelde -- Department of Geography</i>	5			A:1	150
2	C001032 Landscape Ecology [en] <i>Veerle Van Eetvelde -- Department of Geography</i>	5			A:2	150
3	C003539 Landscape Genesis <i>Veerle Van Eetvelde -- Department of Geography</i>	5			A:1	150

#### 3.3 Major Urban Geography

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003532 Urbanization in Global Perspective [en] <i>Ben Derudder -- Department of Geography</i>	5			A:1	150
2	C003534 Urban Mobility and Logistics [en] <i>Frank Witlox -- Department of Geography</i>	5			A:1	150
3	E084580 Sustainable Cities <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	5			A:J	150

#### 3.4 Major Cartography & Geographical Information Systems (GIS)

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004177 Spatiotemporal Analysis and Modelling [en] <i>Nico Van de Weghe -- Department of Geography</i>	5			A:1	150
2	C004178 Geographical Information Architecture [nl, en] <i>Haosheng Huang -- Department of Geography</i>	5			A:2	150
3	C004179 Geographical Information Processing and Management <i>Nico Van de Weghe -- Department of Geography</i>	5			A:2	150

#### 3.5 Major Topography & Hydrography

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004180 3D Acquisition and Modelling <i>Alain De Wulf -- Department of Geography</i>	5			A:1	150
2	C004189 Hydrographic Surveying [en] <i>Alain De Wulf -- Department of Geography</i>	5			A:2	150
3	C004181 Topometry <i>Alain De Wulf -- Department of Geography</i>	5			A:1	150

### 4 Master's Dissertation

30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004174 Master's Dissertation [en, nl] <i>N. N.</i>	30		2	A:J	900

## 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