

Study Programme

Academic year 2024-2025

Faculty of Sciences

Master of Science in Geography and Geomatics

Language of instruction: Dutch

Programme version 3

1	General	Courses				30 (credits
Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004170	Research Design [en] Nico Van de Weghe Department of Geography	5		1	A:J	150
2	C004462	Physical Environment and Sustainable Development Sil Lanckriet	5		1	A:2	150
3	C004171	GIS: Applications [en, nl] Nico Van de Weghe Department of Geography	7		1	B:1	210
4	C004172	Remote Sensing: Applications Tim Van de Voorde Department of Geography	5		1	A:2	150
5	C004173	Integrated International Projectwork [nl, en] Veerle Van Eetvelde Department of Geography	8		1	A:J	240
2	Minors					30 (credits
То	obtain the pr	credit units from 1 minor from the following list. Subject to approval by the factor of essional title of sworn surveyor, the minor Surveying and the major Topogra Research & Development		/drograp	hy must be		credits
	bscribe to 25 Course	credit units from no less than 1 and no more than 2 modules from the following	n <mark>g list.</mark> CRDT	Ref	MT1	Session	Studv
1		Internship 1 Frank Witlox Department of Geography	5			A:J	150
2.1	I.1 Electiv	ve Courses					
Sul	oscribe to no	more than 13 credit units from the following list.					
-	Course		CRDT	Ref	MT1	Session	Study
1	C004190	Internship 2 Frank Witlox Department of Geography	5			A:J	150
2	C004463	International Course in Geography and/or Geomatics [en] Haosheng Huang Department of Geography	5			A:J	150
3	C004464	International Research Project in Geography and/or Geomatics [en] Haosheng Huang Department of Geography	5			A:J	150
4	C004183	Practical Skills in Academic Geo-education Nico Van de Weghe Department of Geography	3			A:J	90
5	C004468	Survey Design and Data Collection Methods [en] Giovanni Circella Department of Geography	5			A:2	150
6	A005569	Global Minds [en] Amaury Frankl Department of Geography	5	UKV		A:2	150
7	B001514	Transport Economics and Policy [en] Frank Witlox Department of Geography	3			A:1	90

2.1.2 Elective Courses UGent and other Universities

Subscribe to no more than 25 credit units from the study programmes of UGent including courses from the other majors Geography & Geomatics, the <u>Ghent University elective courses</u> or from other universities of the Flemish Community or (online) courses from <u>Erasmus+ partner universities</u>.

2.2 Minor Environment & Planning

30 credits

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Decide to less than 10 and no more than 20 credit units from the following list, with 10 credit units with reference a. Section Statule CO014190 Internship 2 rank Witter - Operational d Scography 5 A.J 150 CO04440 International Research Project in Geography and/or Geomatics [en] 5 A.J 150 CO04448 International Research Project in Geography and/or Geomatics [en] 5 A.J 150 CO04488 Survey Design and Data Collection Methods [en] 5 A.J 150 A005569 Global Minds [en] 5 A.J 150 A005569 Global Minds [en] 5 A.J 150 A005569 Global Minds [en] 5 a A.1 150 A005569 Global Minds [en] 5 a A.1 150 Anaur Paulitic of Collegargin and Data Collegargin And Collegargin A		C004184		5			A:1	150
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64 Works - Department of Geography 5 UKV A:2 150 5 A005869 Global Minds [en] 5 UKV A:2 150 7 E084910 Junidical Aspects 5 a A:1 150 7 E085723 Integrating Spatial Policy and Project Management 6 a A:2 180 8 E086711 Mobility, Spatial Planning and Urban Design of Infrastructure 3 a A:1 90 8 E086711 Integrated Approach to Water Management and Environmental 3 a A:2 90 8 E086710 Integrated Approach to Water Management and Environmental 3 a A:1 120 9 E084970 Integrated Approach to Water Management 4 a A:1 120 10 1002697 Urban Green Management 4 a A:1 120 11 1002697 Urban Green Management 4 a A:1 90 12 E076440 Dare to Venture [en] 3 A:1 90 5 3 A:1 90 <	3	C004464		5			A:J	150
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Saski Crucke - Department of Marketing, Innovation and Organisation 15 B001514 Transport Economics and Policy [en] Frank Wittox Department of Geography 3 A:1 90 22.2 Elective Courses UGent and other Universities A:1 90 22.2 Elective Courses UGent and other Universities Subscribe to nore than 10 credit units from the study programmes of UGent including courses from the other majors Geography & courses from trasmus+ partner universities. 2.3 Minor Subscribe to 8 credit units from no less than 1 and no more than 2 modules from the following list. 30 credits Nr Course CRDT Ref MT1 Session Study 2 Cool4182 Internship 1 Frank Wittox Department of Geography 5 A:1 90 2 Cool4553 Environmental Law Geert Van Hoorick Department of European, Public and International Law 3 A:1 90 3 Cool3072 Legal Aspects of Real Estate Joke Baeck Department of Interdisciplinary Study of Law, Private Law and Business Law A:1 150 4 Cool4185 Surveying Aspects of Real Estate Expertise 4 A:2 120 5 Cool4186 Surveying Project 5 <	13	E076460		4			A:2	120
Frank Wittox Department of Geography 2.2.2 Elective Courses UGent and other Universities 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 or (online) courses 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 or (online) courses from the study programmes of UGent including courses from the other majors Geography & Geomatics, the Ghent Universities. 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. 30 credits Vr Course CRDT Ref MT1 Session Study 1 C004182 Internship 1 Frank Wittox Department of Geography 5 A:1 90 2 C004553 Environmental Law 3 A:1 90 3 C003072 Legal Aspects of Real Estate Supervise Law and Business Law A:1 150 4 C004185 Surveying Aspects of Real Estate Expertise Alain De Wulf Department of Geography A:2 120 5 A:1 150 A:2 120 6 cool 4186 Surveying Project 5 A:1 150	14	F000859		3			A:2	90
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 or (online) courses 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 or (online) courses from the study programmes of UGent including courses from the other majors Geography & Geomatics, the Ghent Universities. 30 credits 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. 31 Ar Course CRDT Ref MT1 Session Study C004182 Internship 1 5 A:J 150 Frank Wittor - Department of Geography 3 A:1 90 Geert Van Hoorick Department of European, Public and International Law 3 A:1 150 Joke Baeck Department of Interdisciplinary Study of Law, Private Law and Business Law 4 A:2 120 Voltaria Surveying Aspects of Real Estate Expertise 4 A:2 120 Joke Baeck Department of Geography 5 A:1 150 Geomatics Department of Geography 5 A:1 150	15	B001514		3			A:1	90
Geomatics, the Ghent University elective courses or from other universities of the Flemish Community or (online) courses from trasmus+ partner universities. 30 credits Cas Minor Surveying	2.2	.2 Electiv	e Courses UGent and other Universities					
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. CODT Ref MT1 Session Study Ar Course CRDT Ref MT1 Session Study C004182 Internship 1 Frank Wittox Department of Geography 5 A:J 150 2 C004553 Environmental Law Geert Van Hoorick Department of European, Public and International Law 3 A:1 90 3 C003072 Legal Aspects of Real Estate Joke Baeck Department of Interdisciplinary Study of Law, Private Law and Business Law 5 A:1 150 4 C004185 Surveying Aspects of Real Estate Expertise Alain De Wulf Department of Geography 4 A:2 120 5 C004186 Surveying Project 5 A:1 150	Geo	omatics, the	Ghent University elective courses or from other universities of the Flemish Con					
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C004182Internship 1 Frank Wittox Department of Geography5A:J1502C004553Environmental Law Geert Van Hoorick Department of European, Public and International Law3A:1903C003072Legal Aspects of Real Estate Joke Baeck Department of Interdisciplinary Study of Law, Private Law and Business Law5A:11504C004185Surveying Aspects of Real Estate Expertise Alain De Wulf Department of Geography4A:21205C004186Surveying Project5A:1150			• • • • • • • • • • • • • • • • • • •		Ref	MT1	Session	Study
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Joke Baeck Department of Interdisciplinary Study of Law, Private Law and Business Law C004185 Surveying Aspects of Real Estate Expertise 4 A:2 120 Alain De Wulf Department of Geography 5 A:1 150	2	C004553		3			A:1	90
Alain De Wulf Department of Geography 5 C004186 Surveying Project 5 A:1	3	C003072		5			A:1	150
	4	C004185		4			A:2	120
	5	C004186		5			A:1	150

2.3.1 Elective Courses

	Course	more than a credit drifts from the following list.	CRDT	Ref	MT1	Session	Study
1	C004190	Internship 2 Frank Witlox Department of Geography	5			A:J	150
2	C004463	International Course in Geography and/or Geomatics [en] Haosheng Huang Department of Geography	5			A:J	150
3	C004464	International Research Project in Geography and/or Geomatics [en] Haosheng Huang Department of Geography	5			A:J	150
4	E076621	Principles of Law and Construction Law Jelle Laverge Department of Architecture and Urban Planning	3			A:1	90
5	E084910	Juridical Aspects Tom De Waele Department of European, Public and International Law	5			A:1	150
6	E076431	Introduction to Entrepreneurship [en] Petra Andries Department of Marketing, Innovation and Organisation	3			A:1	90
7	E076460	Dare to Venture [en] Johan Verrue Department of Marketing, Innovation and Organisation	4			A:2	120
8	F000859	Corporate Social Responsibility Saskia Crucke Department of Marketing, Innovation and Organisation	3			A:2	90

2.3.2 Elective Courses UGent and other Universities

Subscribe to no more than 8 credit units from the study programmes of UGent including courses from the other majors Geography & Geomatics, the <u>Ghent University elective courses</u> or from other universities of the Flemish Community or (online) courses from <u>Erasmus+ partner universities</u>.

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

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Nr Course		CRDT	Ref	MT1	Session	Study
1 C004469	Climate Change and land-atmosphere Interactions [en, nl] Kwinten Van Weverberg Department of Geography	5			A:1	150
2 C004539	Fluvial Processes and Management [en] Amaury Frankl Department of Geography	5			A:1	150
3 C004467	Regional Climate Modelling [en] Kwinten Van Weverberg Department of Geography	5			A:2	150
3.2 Major I	andscape Science				15	credits
Nr Course		CRDT	Ref	MT1	Session	Study
1 C003145	Landscape Management and Design Veerle Van Eetvelde Department of Geography	5			A:1	150
2 C001032	Landscape Ecology [en] Veerle Van Eetvelde Department of Geography	5			A:2	150
3 C003539	Landscape Genesis Veerle Van Eetvelde Department of Geography	5			A:1	150
3.3 Major I	Jrban Geography				15	credits
Nr Course		CRDT	Ref	MT1	Session	Study
1 C003532	Urbanization in Global Perspective [en] Ben Derudder Department of Geography	5			A:1	150
2 C003534	Urban Mobility and Logistics [en] Giovanni Circella Department of Geography	5			A:1	150
3 E084581	Sustainable Cities Michiel Dehaene Department of Architecture and Urban Planning	5		2	B:J	150
3.4 Major (Cartopgraphy & Geographical Information Systems	(GIS)			15	credits
Nr Course		CRDT	Ref	MT1	Session	Study
1 C004177	Spatiotemporal Analysis and Modelling [en] Nico Van de Weghe Department of Geography	5			A:1	150

3 C004538	Geospatial Artificial Intelligence [en] Nico Van de Weghe Department of Geography	5		A:2	150
3.5 Major	Topography & Hydrography			15	credits
Nr Course		CRDT Ref	MT1	Session	Study
1 C004180	3D Acquisition and Modelling Alain De Wulf Department of Geography	5		A:1	150
2 C004189	Hydrographic Surveying [en] Alain De Wulf Department of Geography	5	2	A:2	150
3 C004181	Topometrology Alain De Wulf Department of Geography	5		A:1	150
4 Master	s Dissertation			30 c	credits
Nr Course		CRDT Ref	MT1	Session	Study
1 C004174	Master's Dissertation [en, nl]	30	2	A:J	900

N. N.

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 cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/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 in 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
b: tri-annually	d: bi-annually, from 2025-2026
	e: tri-annually, from 2025-2026

f: annually, from 2026-2027 g: bi-annually, from 2026-2027 h: tri-annually, from 2026-2027 i: annually, from 2027-2028 j: bi-annually, from 2027-2028 k: tri-annually, from 2027-2028