

GEOG2M

2015 - 2016

Master [120] in Geography : General

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In frenchDissertation/Graduation Project : **YES** - Internship : **optional**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences**Organized by: **Faculté des sciences (SC)**Programme code: **geog2m** - Francophone Certification Framework: 7**Table of contents**

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GEOG2M - Introduction

Introduction

GEOG2M - Teaching profile

Learning outcomes

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Programme structure

The programme comprises core subjects of 60 credits, 30 credits for the focus (research or teaching) and 30 credits for optional subjects.

For a programme-type, and regardless of the focus, options/or elective courses selected, this master will carry a minimum of 120 credits divided over two annual units, corresponding to 60 credits each.

> [Tronc commun](#) [en-prog-2015-geog2m-lgeog210t.html]

Focuses

> [Research focus](#) [en-prog-2015-geog2m-lgeog200a]

> [Teaching focus](#) [en-prog-2015-geog2m-lgeog200d]

> [Cours au choix](#) [en-prog-2015-geog2m-lgeog920o.html]

GEOG2M Detailed programme

Programme by subject

CORE COURSES [90.0]

● Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

						Year	
						1	2
● LGEO2110	Mondialisation, développement et environnement	Eric Lambin	30h+30h	5 Credits	1q	x	
● LGEO2210	Shaping sustainable urban spaces	Marie-Laurence De Keersmaecker, Yves Hanin	30h	3 Credits	1q	x	
● LGEO2120	Applied geomorphology	Kristof Van Oost, Bas van Wesemael (coord.)	30h+30h	5 Credits	1q	x	
● LGEO2240	Tectonic geomorphology	Veerle Vanacker	30h+30h	5 Credits	1q	x	
● LGEO2230	Géographie médicale et de la santé	Sophie Vanwambeke	30h+30h	5 Credits	1q	x	
● LGEO2140	Advanced physical geography	Kristof Van Oost (coord.), Veerle Vanacker	30h+30h	5 Credits	1q	x	

Year

1 2

o Philosophie (2 credits)

Un cours à choisir parmi les trois suivants :

⌘ LSC2001	Introduction to contemporary philosophy	Nathalie Frogneux, Vincent Israel-Hoenen (compensates Nathalie Frogneux)	30h	2 Credits	2q	x	x
⌘ LSC2220	Philosophy of science	Alexandre Guay	30h	2 Credits	2q	x	x
⌘ LFILO2003E	Ethics in the Sciences and technics (sem)	Bernard Feltz, Hervé Jeanmart, René Rezsöházy	15h+15h	2 Credits	2q	x	x

o Mémoire (30 credits)

○ LGEO2997	Séminaire d'encadrement du mémoire	Isabelle Thomas, Bas van Wesemael	15h	5 Credits	1q	x	
○ LGEO2998	Thesis tutorial	Isabelle Thomas, Bas van Wesemael	15h	3 Credits	2q		x
○ LGEO2999	Mémoire	N.		22 Credits	2q		x

LIST OF FOCUSES[> Research focus](#) [en-prog-2015-geog2m-lgeog200a][> Teaching focus](#) [en-prog-2015-geog2m-lgeog200d]**RESEARCH FOCUS [30.0]**

● Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

						Year	
						1	2
● LGEO2220	History of geography	Eric Lambin	22.5h	3 Credits	1q	x	
● LGEO2160	Integrated exercise in geography I	Isabelle Thomas, Bas van Wesemael	30h+30h	4 Credits	1q	x	
● LGEO2170	Field Excursion	Eric Lambin	60h+30h	4 Credits	2q ⊖	x	x
○ 15 crédits à choisir parmi les cours suivants : (15 credits)							
⊗ LGEO2250	Mesures de terrain en géographie	Kristof Van Oost, Bas van Wesemael (coord.)	30h+30h	5 Credits	2q	x	x
⊗ LGEO2211	Advanced statistical methods in geography	Christian Hafner	30h+30h	5 Credits	1q	x	x
⊗ LGEO2185	Advanced geo-processing	Kristof Van Oost	30h+30h	5 Credits	2q	x	x
⊗ LPHY2153	Introduction to the physics of the climate system and its modeling	Hugues Goosse, Jean-Pascal van Ypersele de Strihou	30h+15h	5 Credits	1q	x	x
⊗ LGEO2130	Geographic modelling	Eric Deleersnijder, Sophie Vanwambeke	30h+30h	5 Credits	2q	x	x
○ une activité à choisir parmi les deux suivantes : (4 credits)							
⊗ LGEO2270	Terrain II en géographie	Sophie Vanwambeke	60h+30h	4 Credits	⊕		x
⊗ LGEO2400	Stage d'insertion professionnelle	Michel Crucifix, Sophie Vanwambeke	15h	4 Credits		x	x

TEACHING FOCUS [30.0]

IMPORTANT NOTE: In accordance with article 138 para. 4 of the decree of 7 November 2013 concerning higher education and the academic organisation of studies, teaching practice placements will not be assessed in the September session. Students are required to make every effort to successfully complete the teaching practice in the June session, subject to having to retake the year.

○ Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

						Year	
						1	2
○ LGEO2310	Stages d'enseignement en géographie (en ce compris le séminaire d'intégration des stages)	Marie-Laurence De Keersmaecker	15h+40h	7 Credits	1 + 2q	x	x

○ Module concevoir, planifier et évaluer des pratiques d'enseignement et d'apprentissage (13 credits)

○ LAGRE2220	General didactics and education to interdisciplinarity	Myriam De Kesel (coord.), Jean-Louis Dufays, Anne Ghysseleinckx, Jim Plumet, Marc Romainville, Cedric Roure, Bernadette Wiame	37.5h	3 Credits	2q	x	x
○ LGEO2320	Didactique et épistémologie de la géographie	Marie-Laurence De Keersmaecker	60h	6 Credits	1 + 2q	x	x

○ Didactique et épistémologie d'une autre discipline (en ce compris le stage d'écoute) (4 credits)

un cours au choix parmi les cours suivants

⊗ LMAT2320A	Didactique et épistémologie de la mathématique (en ce compris le stage d'écoute)	Christiane Hauchart	37.5h +10h	4 Credits	1q	x	x
⊗ LSCI2320A	Didactique et épistémologie des sciences	Myriam De Kesel (coord.), Jim Plumet, Valérie Wathélet	37.5h +10h	4 Credits	1q	x	x

○ Module comprendre et analyser l'institution scolaire et son contexte (6 credits)

○ LAGRE2120	The school institution and its context	Branka Cattonar (coord.), Vincent Dupriez, Simon Enthoven, Caroline Letor, Rudi Wattiez	22.5h +25h	4 Credits	1 ou 2q	x	x
○ LAGRE2400	See specifications in french	Anne Ghysseleinckx	20h	2 Credits	2q	x	x

○ Module animer un groupe et travailler en équipe (4 credits)

○ LAGRE2020	To understand the adolescent in school situation, to manage the interpersonal relationship and to animate the class group	Natacha Biver, James Day, Xavier Dejemepe, Bernard Demuysere, Jean Goossens, Pierre Meurens, Pascale Steyns (coord.), Philippe van Meerbeeck (compensates James Day), Pascal Vekeman	22.5h +22.5h	4 Credits	1 ou 2q	x	x
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Cours au choix [30.0]

○ Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

⊗ Choix parmi des cours de géographie

⊗ LGEO1242	Mathematical Geography	Michel Crucifix, Jean-Pascal van Ypersele de Strihou (coord.)	30h+15h	4 Credits	2q	x	x
⊗ LGEO1321	Human and Economic geography 1	Sophie Vanwambeke	25h+25h	4 Credits	2q	x	x
⊗ LGEO1322	Human and economic geography 2	Marie-Laurence De Keersmaecker, Isabelle Thomas	25h+25h	4 Credits	2q	x	x
⊗ LGEO1323	Human and economic geography (3)	Marie-Laurence De Keersmaecker, Isabelle Thomas	25h+25h	4 Credits	2q	x	x
⊗ LGEO1331	Geomorphology	Bas van Wesemael, Veerle Vanacker	30h+30h	5 Credits	2q	x	x
⊗ LPHY1365	Meteorology	Michel Crucifix, Thierry Fichet, Jean-Pascal van Ypersele de Strihou	37.5h +22.5h	5 Credits	2q	x	x
⊗ LGEO1332	Biogeography	Caroline Nieberding, Renate Wesselingh, Renate Wesselingh (compensates Caroline Nieberding)	45h+24h	5 Credits	2q	x	x

⊗ Choix parmi les cours de climatologie

⊗ LULBG2400	Le système Terre et ses interactions (ULB)	N.		4 Credits		x	x
⊗ LULBG2408	Modélisation en géographie physique (ULB)	N.		2 Credits		x	x
⊗ LULBG2410	Les changements climatiques des derniers 100000 ans (ULB)	N.		6 Credits		x	x
⊗ LENVI2005	Changements climatiques: impacts et solutions	Philippe Marbaix, Jean-Pascal van Ypersele de Strihou (coord.)	30h	3 Credits	2q	x	x

⊗ Choix parmi des cours d'écologie

⊗ LBIO1351	Ecology of individuals and populations	Thierry Hance, Marie-Jeanne Holveck (compensates Caroline Nieberding), Anne-Laure Jacquemart, Caroline Nieberding	50h	4 Credits	1q	x	x
⊗ LBOE2121	Biodiversité des biomes terrestres	Caroline Nieberding	24h	2 Credits	2q	x	x
⊗ LBOE2160	Ecologie des interactions	Thierry Hance, Anne-Laure Jacquemart	24h	2 Credits	1q	x	x
⊗ LBOE2140	Ecologie du paysage	Hans Van Dyck	24h+24h	4 Credits	1q	x	x

⊗ Choix parmi des cours d'économie spatiale

⊗ LECGE1222	Microeconomics	François Maniquet, Eve Ramaekers	45h+15h	5 Credits	1q	x	x
⊗ LECGE1212	Macroeconomics	Fabio Mariani	45h+15h	5 Credits	1q	x	x

						Year	
						1	2
⊗ LECGE1216	Growth and Development	Lionel Artige (compensates David De la Croix), David De la Croix	30h	5 Credits	1q	x	x
⊗ LECGE1228	Regional Economics	Florian Mayneris	30h+10h	5 Credits	2q	x	x
⊗ LECON2041	International Trade	Gonzague Vannoorenberg	30h	5 Credits	2q	x	x
⊗ LGEO2001	Séminaire résidentiel inter-universitaire et international d'analyse spatiale	N.		10 Credits		x	x
⊗ LECON2314	Economic Geography	Florian Mayneris	30h	5 Credits	2q	x	x

⊗ Choix parmi des cours de géopolitique et de science du développement

⊗ LDVLP2325	Geopolitics of natural resources	Vincent Legrand	30h	5 Credits	1q	x	x
⊗ LSPRI2020	Introduction aux relations internationales : théories et systèmes (Partie II)	Michel Liegeois	30h+15h	5 Credits	1q	x	x
⊗ LBIRE2102	Applied Geomatic	Pierre Defourny	30h +22.5h	4 Credits	1q	x	x
⊗ LECON2342	Development theories	Andreia Lemaître, Marthe Nyssens	30h	5 Credits	2q	x	x

⊗ Choix parmi des cours de développement territorial

⊗ LAUCE3011	Acteurs, territoires et contextes de développement	Bernard Declève, Aniss Mezoued, Chloé Salembier, Quentin Wilbaux	50h	5 Credits	1q	x	x
⊗ LAUCE2930	Processus territoriaux et modèles de développement	Marie-Laurence De Keersmaecker, Yves Hanin	30h	3 Credits	1q	x	x
⊗ LAUCE2950	Systèmes de décision en urbanisme et développement territorial	Bernard Declève, Yves Hanin, Benoît Périlleux, Jean-Pol Van Reybroeck	45h	4 Credits	2q	x	x
⊗ LSOC2090	Sociology of the City	Mathieu Berger	30h	5 Credits	1q	x	x

⊗ Choix parmi des cours de bioingénierie environnementale

⊗ LBIR1305	Introduction to systems analysis	Philippe Baret	10h+20h	3 Credits	1q	x	x
⊗ LBIR1343	Environmental Economics	Frédéric Gaspard	37.5h +7.5h	4 Credits	2q	x	x
⊗ LBIRA2109A	Agrarian systems and farm : partim	Pierre Bertin	22.5h +7.5h	3 Credits	1q	x	x
⊗ LBIRE2106	Topometry and photogrammetry	Pierre Defourny (coord.), François Jonard (compensates Pierre Defourny), Sébastien Lambot (compensates Pierre Defourny), Sébastien Lambot (coord.), Julien Radoux (compensates Pierre Defourny)	22.5h +22.5h	4 Credits	2q	x	x
⊗ LBRAT2102	Spatial modelling of territorial dynamics	Pierre Defourny, Julien Radoux (compensates Pierre Defourny)	15h+15h	3 Credits	2q	x	x

⊗ Cours au choix complémentaires pour la finalité didactique

⊗ LGEO2170	Field Excursion	Eric Lambin	60h+30h	4 Credits	2q	⊗	x	x
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						Year	
						1	2
⊗ LAGRE2221	Learning and teaching with new technologies	Marcel Lebrun	15h+15h	2 Credits	1q	x	x
⊗ LAGRE2310	Micro-teaching exercises	Pascalia Papadimitriou, Dominique Vandercamme	15h	2 Credits	1q	x	x
⊗ LGEO2330	Séminaire de didactique de la géographie	Marie-Laurence De Keersmaecker	0h+30h	5 Credits		x	x

⊗ *Autres cours au choix*

A choisir dans les programmes de la Faculté ou de l'Université, en accord avec le secrétaire du jury. L'étudiant s'assurera auprès du titulaire du ou des cours choisi(s) qu'il est autorisé à le(s) suivre. Si certains cours sont offerts dans le tronc commun ou dans la finalité approfondie, le recouvrement ne pourra pas excéder 6 crédits avec chacune de ces rubriques. Aucun recouvrement n'est permis avec la finalité didactique.

Course prerequisites

A document entitled [en-prerequis-2015-geog2m.pdf](#) specifies the activities (course units - CU) with one or more pre-requisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

These activities are identified in the study programme: their title is followed by a yellow square.

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](#).

The programme's courses and learning outcomes


For each UCL training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

The document is available by clicking [this link](#) after being authenticated with UCL account.

GEOG2M - Information

Admission

General and specific admission requirements for this program must be satisfied at the time of enrolling at the university..

En plus de remplir les conditions d'accès décrites ci-dessous, les candidats devront apporter la preuve d'une maîtrise suffisante de la langue française (niveau B1 du CECR ([Cadre européen commun de référence](#)) ).

Les étudiants désirant accéder à la finalité didactique doivent apporter la preuve d'une maîtrise de niveau C1 du CECR.

- [University Bachelors](#)
- [Non university Bachelors](#)
- [Holders of a 2nd cycle University degree](#)
- [Holders of a non-University 2nd cycle degree](#)
- [Adults taking up their university training](#)
- [Personalized access](#)

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCL Bachelors			
		Direct access	
Bachelor in Physics	Si l'étudiant a suivi la Minor in Geography [30.0](unknown URL)	Direct access	
Bachelor in Engineering	Si l'étudiant a suivi la Minor in Geography [30.0](unknown URL)	Direct access	
Others Bachelors of the French speaking Community of Belgium			
		Direct access	
Bachelors of the Dutch speaking Community of Belgium			
		Direct access	
Foreign Bachelors			
		Direct access	

— Non university Bachelors

Diploma	Access	Remarks
> Find out more about links to the university		
> BA en sciences agronomiques - type long	Accès au master moyennant ajout de maximum 60 crédits d'enseignements supplémentaires obligatoires au programme. Voir 'Module complémentaire'	Type long
> BA en agronomie	Accès au master moyennant ajout de maximum 60 crédits d'enseignements supplémentaires obligatoires au programme. Voir 'Module complémentaire'	Type court
> BA en sciences industrielles - type long	Accès au master moyennant ajout de maximum 60 crédits d'enseignements supplémentaires obligatoires	Type long

au programme. Voir 'Module complémentaire'

— Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Direct access	
Masters			
		Direct access	

— Holders of a non-University 2nd cycle degree

Diploma	Access	Remarks
> Find out more about links to the university		
> MA en sciences agronomiques > MA en sciences de l'ingénieur industriel en agronomie > MA en sciences de l'ingénieur industriel, finalités constructions et géomètre > MA en sciences industrielles, finalité géomètre	Accès direct au master moyennant ajout éventuel de 15 crédits max	Type long

Adults taking up their university training

> See the website www.uclouvain.be/en-vae

Tous les masters peuvent être accessibles selon la procédure de valorisation des acquis de l'expérience.

Personalized access

Reminder : all Masters (apart from Advanced Masters) are also accessible on file.

Admission and Enrolment Procedures for general registration

Supplementary classes

To enrol for this Masters, the student must have a good command of certain subjects. If this is not the case, they must add preparatory modules to their Master's programme.

● Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

○	Supplementary classes	N.		Credits	
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Teaching method

The teaching strategy takes its inspiration from the idea of "taking responsibility for one's own learning" and offers a wide range of learning situations. The courses are focused on problems in society: environmental changes, mobility, urbanization, globalization and developing countries. Activities such as seminars and integrated exercises are carried out in advanced areas of geographical research. Ability to use advanced methods of geographical analysis is an important objective of the training: geographical modeling, geographical information systems and satellite teledetection.

Practical work gives students the opportunity of dealing with concrete problems and finding solutions to them, often in small groups. The computer rooms with special software for geographical analysis are always open to students. In the first year of the Master, the field work consists of a week of supervised exercises in the Alps or Spain. This is compulsory in the first year of the Master. Students who choose a research focus must do a second field course in the second year.

Students doing the teaching focus may do advanced teaching in mathematics, physics or geography.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Students will mainly be assessed on the basis of individual work (e.g. reading, consultation of databases and bibliographic references, writing monographs and reports, presentation of seminars, dissertation and work placement). Where necessary, students will also be assessed on how much they have learned from lectures. As far as possible, there will be continuous assessment, including regular 'open book examinations'. Certain activities will not be given a precise mark but will be officially certified. Assessment of the dissertation is in two stages : a 'progress report' at the end of the first year of the Master and the final presentation.

Mobility and/or Internationalisation outlook

Students are strongly encouraged to take advantage of the Erasmus or Mercator exchange schemes outside Belgium, or to study at KULeuven.

It is possible to take courses in English. Not only will this help UCL students to become better acquainted with the language, but will also enable Erasmus students from abroad to take a semester of courses in English.

Advanced courses are given by many visiting lecturers from different foreign institutions and some Belgian ones. These are mostly in English.

Possible trainings at the end of the programme

Quelle que soit la finalité, le master en sciences géographiques donne directement accès au doctorat en sciences.

Un étudiant peut obtenir une autre finalité du même master en 30 crédits.

Contacts

Curriculum Management

Entite de la structure GEOG

Acronyme	GEOG
Dénomination	Ecole de géographie
Adresse	Place Louis Pasteur 3 bte L4.03.07 1348 Louvain-la-Neuve Tél 010 47 28 73 - Fax 010 47 28 77
Site web	https://www.uclouvain.be/geo
Secteur	Secteur des sciences et technologies (SST)
Faculté	Faculté des sciences (SC)
Commission de programme	Ecole de géographie (GEOG)

Academic Supervisor : [Marie-Laurence De Keersmaecker](#)

Jury:

Présidente : [Marie-Laurence De Keersmaecker](#)

Secrétaire : [Sophie Vanwambeke](#)

Usefull Contacts

Secrétaire de l'Ecole de géographie : [Zemrije Beca](#)

