

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: **Faculty of Science (SC)**Programme acronym: **GEOG2M** - Francophone Certification Framework: 7**Table of contents**

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GEOG2M - Introduction

Introduction

GEOG2M - Teaching profile

Learning outcomes

The organization of the space in which we live results from the impact of man on his natural surroundings. It comes from a great many decisions, taken long ago or recently, which have shaped our environment by adapting it to our needs, for better and for worse. These decisions have stimulated development and also created imbalances : more productive world agriculture, industrial concentrations, urbanization, trade at every level, increase in average well-being, but also delocalization, pollution, damage to land, deforestation, erosion of biodiversity or climate change. Geography studies the mechanisms which have led to all these effects, in order to control them better.

The objective of the training with a **research focus** is an introduction to the three fundamental aspects of the work of a geographer:

- to observe and describe the environment, especially with computerized databases and advanced satellite observation technology and monitoring the state of the environment through different kinds of measurements ;
- to understand and explain the processes that have been observed, especially by building models which enable them to be simulated;
- to manage resources through land development.

Students will develop skills in the field of geography and especially in the study of the interactions between human activities, geographical space and the natural environment. This is done from the perspective of both human and physical geography: it is important to bring them together. The training also provides students with the geographical techniques necessary for the study of this.

The **research focus** prepares students for a range of different jobs in the public and private sector or in the voluntary field as well as for being a researcher.

The **teaching focus** is a specially adapted programme which focuses on teaching at the higher levels of secondary education.

On successful completion of this programme, each student is able to :

1. Analyser les questions environnementales sous l'angle du développement durable, d'un territoire jusqu'au système Terre:
 - 1.1 Décrire les composantes physiques, biologiques, humaines du territoire jusqu'au système Terre.
 - 1.2 Décrire les interactions entre ces composantes et leurs dynamiques spatiales.
 - 1.3 Passer de la description à la formalisation.
 - 1.3.1 Identifier les processus sous-jacents sur base des schémas d'organisation spatiale.
 - 1.3.2 Formaliser la compréhension des mécanismes qui expliquent les relations spatiales observées via des modèles spatiaux statistiques et de simulation, et grâce à des théories géographiques.
 - 1.4 Passer de la formalisation à la prospective et à l'évaluation des politiques d'intervention:
 - 1.4.1 Être capable d'explorer, entre autres via des modèles, l'effet de la modification de certaines variables sur le territoire jusqu'au système Terre;
 - 1.4.2 Être capable de proposer des interventions (politiques de planification, de gestion, d'aménagement du territoire, etc.) sur base de simulations et scénarios.
2. Maitriser les outils de collecte, visualisation et analyse des données spatiales:
 1. 2.1 Maitriser des techniques de mesure sur le terrain et en laboratoire
 2. 2.2 Maitriser les techniques et méthodes de la cartographie
 3. 2.3 Interpréter et analyser des données de télédétection
 4. 2.4 Traiter des données avec des logiciels d'information géographique
 5. 2.5 Traiter les données avec des outils d'analyse statistique appropriés
 6. 2.6 Automatiser et programmer de procédures d'analyse spatiale
 7. 2.7 Exploiter des banques de données spatiales
 8. 2.8 Porter un regard critique sur les techniques utilisées
3. Savoir mettre en Œuvre les outils et compétences d'intégration et d'analyse spatiale pour contribuer à la gestion des territoires
 1. 3.1 Analyser et structurer le paysage sur base des observations réalisées sur le terrain
 2. 3.2 Identifier les caractéristiques d'organisation spatiale, les composantes physiques et humaines et la manière avec laquelle elles interagissent à échelle d'un territoire jusqu'au système Terre.
 3. 3.3 Schématiser l'organisation du territoire grâce à des bases de données géographiques et la télédétection
 4. 3.4 Concevoir un projet intégré qui envisage des solutions pour un développement durable
 5. 3.5 Analyser et modéliser l'organisation de l'espace, y inclus les échanges (personnes, marchandises, capitaux, ...) et mondialisation
 6. 3.6 Analyser les changements globaux, et formuler des réponses et adaptations aux changements climatiques.
4. Savoir intégrer les aspects humains et environnementaux :
 1. 4.1 Être capable d'intégrer de manière critique les différents savoirs tenus par les parties prenantes d'une problématique concrète pour traiter des problèmes géographiques.
 2. 4.2 Être capable de dialoguer avec des acteurs qui se basent sur différentes formes de savoirs et qui chacun mettent en avant différentes priorités.

3. 4.3 Evaluer la pertinence et fiabilité des sources d'information, en prenant compte l'existence des épistémologies constructivistes et des approches critiques (critical geography, radical geography...) afin de mieux naviguer à travers les différents discours ambiants sur la transition.

5. Aborder la vie professionnelle comme citoyen responsable

Le monde professionnel contemporain nécessite, outre des compétences techniques, de pouvoir travailler de façon efficace dans des contextes variés et dynamiques. Outre la capacité d'apprentissage, les compétences dites douces ("soft skills") suivantes feront l'objet d'une attention particulière:

5.1 Communication:

- Communiquer oralement et par écrit en français et en anglais (niveau C1) les résultats d'un travail à des acteurs scientifiques et des acteurs de terrain, en s'adaptant à l'audience.
- Assembler, synthétiser et communiquer de manière synthétique et critique l'état des connaissances dans un domaine donné, en documentant les sources selon les conventions établies.
- Communiquer et discuter des données, des méthodes et des résultats.
- Réaliser des supports de communication visuelle pertinents et compréhensibles tels que cartes, schémas et graphiques.

5.2 Interactions dans le cadre du travail en équipe:

- Répartir les tâches d'un travail de groupe en éléments cohérents et équilibrés.
- Organiser la communication des membres du groupe.
- Pouvoir formuler et recevoir du feedback constructif sur son propre travail et celui des autres.

5.3 Organisation:

- Identifier les étapes intermédiaires d'un travail conséquent, les planifier, les exécuter et les adapter aux besoins.

5.4 Flexibilité:

- S'adapter aux contraintes (calendrier, travail en équipe, ...).
- Identifier et comprendre les différents points de vue en présence.
- Trouver de l'intérêt dans des activités et des thématiques qui vont au-delà de ses intérêts propres.

Programme structure

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

GEOG2M Programme

Detailed programme by subject

CORE COURSES [60.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
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- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊗ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

o Module 1 : Methods for geographical and spatial analyses (10 credits)

o LGEO2211	Advanced statistical methods in geography	Christian Hafner	ES [q1] [30h+30h] [5 Credits] 🌐	X	X
o LGEO2185	Advanced geo-processing	Kristof Van Oost	ES [q2] [30h+30h] [5 Credits] 🌐	X	X

o Module 2: Physical geography and global change (10 credits)

o LGEO2140	Global environmental challenges in the Anthropocene	Veerle Vanacker Veerle Vanacker (compensates Kristof Van Oost)	ES [q2] [30h+30h] [5 Credits] 🌐	X	X
o LGEO2240	Tectonic geomorphology	Veerle Vanacker	ES [q1] [30h+30h] [5 Credits] 🌐	X	X

o Module 3 : Human-environment geography and sustainability (10 credits)

o LGEO2110	Mondialisation, développement et environnement	Eric Lambin	ES [q1] [30h+30h] [5 Credits] 🌐	X	
o LGEO2230	Medical and health geography	Sophie Vanwambeke	ES [q1] [30h+30h] [5 Credits] 🌐	X	

o Module 4 : Integration (10 credits)

o LGEO2160	Integrated project in sustainability	Patrick Meyfroidt Raphaël Rousseau	ES [q1] [30h+30h] [4 Credits] 🌐	X	
o LGEO2250	Mesures de terrain en géographie	François Jonard (compensates Kristof Van Oost)	ES [q2] [30h+30h] [4 Credits] 🌐	X	X

o Philosophie (2 credits)

Choose one of the following teaching units:

⌘ LSC2001	Introduction to contemporary philosophy	Charles Pence Peter Verdée	ES [q2] [30h] [2 Credits] 🌐	X	X
⌘ LSC2220	Philosophy of science	Alexandre Guay	ES [q2] [30h] [2 Credits] 🌐	X	X
⌘ LFILO2003E	Ethics in the Sciences and technics (sem)		ES [q2] [15h+15h] [2 Credits] 🌐	X	X
⌘ LTHEO2840	Science and Christian faith	Benoît Bourguine Paulo Jorge Dos Santos Rodrigues	ES [q1] [15h] [2 Credits] 🌐	X	X
o LGEO2999	Mémoire		ES [q2] [] [20 Credits] 🌐		X

LIST OF FOCUSES

Given the importance of the reform of the Master of Geographical Sciences program, from 2024-25 onwards, the full program for students choosing the didactic option will be a transitional program.

- > [Research Focus](#) [en-prog-2024-geog2m-lgeog200a]
 > [Teaching Focus](#) [en-prog-2024-geog2m-lgeog200d]

RESEARCH FOCUS [30.0]

- Mandatory
- ⊗ Optional
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- Activity with requisites
- 🌐 Open to incoming exchange students
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- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

o Content:

Course ID	Course Title	Instructor	Details	Year 1	Year 2
○ LGEO2997	Séminaire d'encadrement du mémoire	Michel Crucifix	EN [q1] [15h] [5 Credits] 🌐	X	
○ LGEO2998	Thesis tutorial	Qiuzhen Yin	EN [q2] [15h] [3 Credits] 🌐		X

o Module 5 : Global change and sustainability (22 credits)

○ LGEO2120	Applied geomorphology		EN [q1] [30h+30h] [4 Credits] 🌐	X	X
○ LGEO2130	Fundamentals of geographic and environmental modelling	Eric Deleersnijder Sophie Vanwambeke	EN [q2] [30h+30h] [5 Credits] 🌐	X	X
○ LGEO2220	History of geography	Eric Lambin	FR [q1] [22.5h] [4 Credits] 🌐	X	
○ LGEO2210	Shaping sustainable urban areas		EN [q1] [30h] [4 Credits] △ 🌐 > English-friendly	X	

o Terrain en géographie

Choose one of the two fields. The second can be chosen from the elective courses.

⊗ LGEO2170	Field Excursion	Eric Lambin	FR [q2] [60h+30h] [5 Credits] 🌐	X	X
⊗ LGEO2270	Terrain II en géographie	Sophie Vanwambeke	FR [q2] [60h+30h] [5 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.

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Year

1 2

o Content:

○ LGEO2310	Stages d'enseignement en géographie (en ce compris le séminaire d'intégration des stages)	Marie-Laurence De Keersmaecker	(FR) [q1+q2] [7.5h+47.5h] [7 Credits] 🌐	X	X
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o Module concevoir, planifier et évaluer des pratiques d'enseignement et d'apprentissage (13 credits)

○ LGEO2320	Didactique et épistémologie de la géographie	Marie-Laurence De Keersmaecker	(FR) [q1] [30h+30h] [6 Credits] 🌐	X	X
○ LAGRE2220	General didactics and education to interdisciplinarity	Stéphane Colognesi Severine De Croix Myriam De Kesel Jean-Louis Dufays Véronique Lemaire Benoît Vercruysse	(FR) [q1+q2] [37.5h] [3 Credits] 🌐	X	X

o 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)		(FR) [q1+q2] [37.5h+10h] [4 Credits] 🌐	X	X
⊗ LSCI2320	Didactics and epistemology of science	Myriam De Kesel (coord.) Marc de Wergifosse Gabriel Dias de Carvalho Junior	(FR) [q1] [22.5h] [2 Credits] 🌐	X	X

⊗ Complement to the didactics and epistemology of science course (2 credits)

2 ECTS credits among

⊗ LBIO2340C	Didactics and Epistemology of Biology - 2d degree		(FR) [q1] [18.5h] [2 Credits] 🌐	X	X
⊗ LBIO2340D	Didactics and Epistemology of Biology - 3d degree		(FR) [q2] [19h] [2 Credits] 🌐	X	X
⊗ LCHM2340C	Didactics and epistemology of chemistry - 2d degree		(FR) [q1] [18.5h] [2 Credits] 🌐	X	X
⊗ LCHM2340D	Didactics and epistemology of chemistry		(FR) [q2] [19h] [2 Credits] 🌐	X	X
⊗ LPHYS2471C	Didactics and Epistemology of Physics - 2d degree		(FR) [q1] [18.5h] [2 Credits] 🌐	X	X
⊗ LPHYS2471D	Didactics and Epistemology of Physics - 3d degree		(FR) [q2] [19h] [2 Credits] 🌐	X	X

o Module comprendre et analyser l'institution scolaire et son contexte (6 credits)**o Séminaire d'observation et d'analyse de l'institution scolaire et de son contexte (en ce compris le stage d'observation) (4 credits)**

Choisir 1 des activités suivantes. Le cours et le séminaire doivent être suivis au même quadrimestre.

⊗ LAGRE2120P	Observation et analyse de l'institution scolaire et de son contexte (en ce compris le stage d'observation)		(FR) [q1] [22.5h+25h] [4 Credits] 🌐	X	
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				Year	
				1	2
⌘ LAGRE2120Q	Observation et analyse de l'institution scolaire et de son contexte (en ce compris le stage d'observation)		FR [q2] [22.5h+25h] [4 Credits] 🌐		x
○ LAGRE2400	See specifications in french	Xavier Delgrange Hervé Pourtois (coord.) Pierre-Etienne Vandamme	FR [q2] [20h] [2 Credits] 🌐	x	x

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

○ **Comprendre l'adolescent en situation scolaire, gérer la relation interpersonnelle et animer le groupe classe (4 credits)**

Choisir 1 des activités suivantes.

⌘ LAGRE2020P	Comprendre l'adolescent en situation scolaire, Gérer la relation interpersonnelle et animer le groupe classe.		FR [q2] [22.5h+22.5h] [4 Credits] 🌐		x
⌘ LAGRE2020Q	Comprendre l'adolescent en situation scolaire, Gérer la relation interpersonnelle et animer le groupe classe.		FR [q2] [22.5h+22.5h] [4 Credits] 🌐		x

Cours au choix [30.0]

COURS AU CHOIX [30.0]

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

Year

1 2

o Content:

o Cours au choix spécifiques à l'orientation générale

L'étudiant.e choisit au minimum 20 crédits de cours parmi cette liste.

⊗ LGEO2170	Field Excursion	Eric Lambin	FR [q2] [60h+30h] [5 Credits] ⊙ 🌐	X	X
⊗ LGEO2270	Terrain II en géographie	Sophie Vanwambeke	FR [q2] [60h+30h] [5 Credits] ⊕ 🌐	X	X
⊗ EGEOG2019	Quaternary Geochronology		EN [q1] [0h+30h] [3 Credits] 🌐	X	X
⊗ LBIO1217	Ecology II		FR [q2] [30h+10h] [3 Credits] 🌐	X	X
⊗ LBOE2120	Conservation de la biodiversité	Nicolas Schtickzelle	FR [q1] [36h+12h] [4 Credits] 🌐	X	X
⊗ LBOE2125	Biodiversity and humans	Charles-Hubert Born Thierry Hance	FR [q1] [24h] [2 Credits] 🌐	X	X
⊗ LBOE2140	Landscape ecology	Hans Van Dyck	EN [q1] [24h+24h] [4 Credits] 🌐	X	X
⊗ LBOE2160	Ecologie des interactions	Thierry Hance Hans Van Dyck Renate Wesselingh	FR [q1] [24h] [2 Credits] 🌐	X	X
⊗ LBOE2191	Ecologie et société	Thierry Hance	FR [q1] [24h] [3 Credits] 🌐	X	X
⊗ LBIR1336	Soil science and integrated excursions	Yannick Agnan (coord.) Richard Lambert Caroline Vincke	FR [q2] [30h+37.5h] [5 Credits] 🌐 > English-friendly	X	X
⊗ LBIRE2104	Applied soil sciences	Yannick Agnan Pierre Delmelle (coord.)	FR [q1] [22.5h+22.5h] [4 Credits] 🌐 > English-friendly	X	X
⊗ LBIRA2105	Agricultural and rural policies	Goedele Van den Broeck	EN [q1] [30h] [3 Credits] 🌐 > French-friendly	X	X
⊗ LBRES2101B	Smart technologies for environmental engineering		EN [q1] [22.5h+15h] [3 Credits] 🌐 > French-friendly	X	X
⊗ LENVI2007	Renewable energy sources	Emmanuel De Jaeger Patrick Gerin (coord.) Hervé Jeanmart	EN [q1] [45h+15h] [5 Credits] 🌐 > French-friendly	X	X
⊗ LDEMO2130	Theories of socio-demographic change	Philippe Bocquier Ester Lucia Rizzi	FR [q2] [30h] [5 Credits] 🌐 > English-friendly	X	X
⊗ LDEMO2640	"Big data" : capture et analyse de données massives	Christine Schnor	FR [q2] [20h] [3 Credits] 🌐	X	X
⊗ LDROP2061	Sustainable Development Law	Charles-Hubert Born	FR [q2] [30h] [5 Credits] 🌐	X	X
⊗ LDVLP2325	Geopolitics of natural resources	Vincent Legrand	FR [q1] [30h] [5 Credits] 🌐	X	X
⊗ LDVLP2675	Dynamics of development - environment inter-actions	An Ansoms	FR [q2] [30h] [5 Credits] 🌐	X	X
⊗ LECON2041	International Trade	Gonzague Vannoorenberghe	EN [q2] [30h] [5 Credits] 🌐	X	X
⊗ LECON2314	Economic Geography	Joseph Gomes	EN [q2] [30h] [5 Credits] 🌐	X	X
⊗ LSPRI2020	Relations internationales contemporaines	Michel Liegeois	FR [q1] [30h+15h] [5 Credits] 🌐	X	X

⌘ Autres cours au choix

Sous réserve de l'accord du jury, l'étudiant.e peut intégrer à son programme des cours de 2ème ou 3ème bloc annuel de bachelier qui n'auraient pas été suivis durant le bachelier, ainsi que des cours dispensés dans d'autres universités. L'étudiant.e s'assurera auprès du titulaire du ou des cours choisi(s) qu'il est autorisé à le(s) suivre.

⌘ LGEO2400	Internship in a professional setting		FR [q1 or q2] [15h] [4 Credits] 🌐	X	X
⌘ LPHYS2162	Introduction to the physics of the climate system and its modelling	Hugues Goosse Francesco Ragone	EN [q1] [22.5h+22.5h] [5 Credits] 🌐 > French-friendly	X	X
⌘ LENVI2005	Climate change: impacts and solutions		FR [q2] [30h] [3 Credits] 🌐	X	X

⌘ Cours au choix complémentaires pour la finalité didactique

⌘ LGEO2170	Field Excursion	Eric Lambin	FR [q2] [60h+30h] [4 Credits] 🌐	X	X
⌘ LAGRE2221	Learning and teaching with new technologies	Sandrine Decamps	FR [q1] [15h+15h] [2 Credits] 🌐	X	X
⌘ LAGRE2310	Micro-teaching exercises	Marc Blondeau Pascalia Papadimitriou	FR [q1 or q2] [15h] [2 Credits] 🌐	X	X

⌘ Optional courses :

These credits are not counted within the 120 required credits.

⌘ LSST1001	IngénieuxSud	Stéphanie Merle Jean-Pierre Raskin	FR [q1+q2] [15h+45h] [5 Credits] 🌐	X	X
⌘ LSST1002M	Information and critical thinking - MOOC		FR [q2] [30h+15h] [3 Credits] 🌐	X	X

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

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

○ Enseignements supplémentaires

Course prerequisites

There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

GEOG2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

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

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific access requirements

In addition to the access conditions described below, candidates will have to provide proof of a sufficient command of the French language (level B1 of the CEFR, Common European Framework of Reference for Languages).

Students wishing to access the didactic purpose must provide proof of a level C1 of the CEFR.

Students who wish to be admitted on the basis of a dossier (see tables below) are invited to consult the [criteria for the evaluation of application](#).

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Bachelor in Geography : General		Direct access	
Bachelor in Physics	Si l'étudiant a suivi la Titre inconnu:Imingeo	Direct access	In some cases, the UCLouvain Enrolment Office, after reviewing their online enrolment or re-enrolment application, will ask the students concerned to provide an enrolment authorisation from the faculty/ school.
Bachelor in Engineering	Si l'étudiant a suivi la Titre inconnu:Imingeo	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			
		Access based on application	

Non university Bachelors

> Find out more about [links](#) to the university

Diploma	Access	Remarks
BA en agronomie, orientation agro-industries et biotechnologies - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation agronomie des régions chaudes - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation environnement - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation forêt et nature - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation systèmes alimentaires durables et locaux - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion agricoles - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion horticolas - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation technologie animale - crédits supplémentaires entre 45 et 60	Les enseignements supplémentaires éventuels peuvent être consultés dans le module complémentaire .	Type court

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

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

The first step in the procedure is to submit a file online (see <https://uclouvain.be/en/study/inscriptions/futurs-etudiants.html>).

Students who wish to be admitted on the basis of a dossier are invited to consult the [criteria for the evaluation of application](#).

Admission and Enrolment Procedures for general registration

Specific professional rules

Successful completion of the master's course with **teaching focus** leads to the award of the master's degree with teaching focus and the title of secondary school education specialist.

The [Réforme des Titres et Fonctions](#) ("Titles and Functions Reform"), in force since 1 September 2016, is intended to harmonise the titles, functions and pay scales of basic and secondary education professionals in French Community of Belgium networks.

It also aims to guarantee the priority of preferred titles over minimum titles and to establish a regime for titles in short supply.

AESS holders can learn which functions they can carry out and the pay scales from which they can benefit by [clicking here](#).

The university cannot be held responsible for any problems that students may encounter at a later date with a view to a teaching appointment in the French Community of Belgium.

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

Entity

Structure entity	SST/SC/GEOG
Denomination	(GEOG)
Faculty	Faculty of Science (SC)
Sector	Sciences and Technology (SST)
Acronym	GEOG
Postal address	Place Louis Pasteur 3 - bte L4.03.07 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 28 73 - Fax: +32 (0) 10 47 28 77 https://uclouvain.be/fr/facultes/sc/geo
Website	

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

Jury

- President: [Marie-Laurence De Keersmaecker](#)
- Secretary and Study advisor: [Bas van Wesemael](#)

Useful Contact(s)

- Administrative manager for the student's annual program: fatuma.tepatondele@uclouvain.be
- Secretary of the School of geography: [Catherine De Roy](#)

