

**GEOG2M1**

2013 - 2014

Master [60] in Geography : General

**At Louvain-la-Neuve - 60 credits - 1 year - Day schedule - In french**Dissertation/Graduation Project : **YES** - Internship : **NO**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: **geog2m1** - European Qualifications Framework (EQF): 7**Table of contents**

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## GEOG2M1 - Introduction

## GEOG2M1 - Admission

***For the specific conditions of this program : refer to the French version***

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

## GEOG2M1 - Information

### Learning outcomes

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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, the greenhouse effect or overpopulation. Geography studies the mechanisms which have led to all these effects, in order to control them better.

The objective of the training 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 ;
- to understand and explain the processes that have been observed, especially by applying models which enable them to be simulated;
- to learn certain concepts in resource management 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 Master in Geography (60 credits) is clearly different from the 120 credit Master in Geography ; although it only takes a year of study, it is inspired by the same objectives, but aims in a more modest way to build on and refine the geographical training in the bachelor's degree.

### Teaching method

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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 integration between human and physical geography is emphasized. 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. The Master includes at least a week of field work abroad (since the 60 credit course lasts only a year).

### Evaluation

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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.

### Possible trainings at the end of the programme

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The only university training directly accessible from the 60 credit Master in Geography is teacher training (30 credits).

It is also possible, in one year, to gain the 120 credit Master in Geography. This gives access to doctorates and Advanced Masters. Students' attention is drawn to the fact that this progression will require the submission of two dissertations.

## GEOG2M1 - Contacts

### Curriculum Managment

Entite de la structure GEOG

Acronyme	<b>GEOG</b>
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	<a href="https://www.uclouvain.be/geo">https://www.uclouvain.be/geo</a>
Secteur	Secteur des sciences et technologies (SST)
Faculté	Faculté des sciences (SC)
Commission de programme	Ecole de géographie (GEOG)

### Jury

Présidente : **Marie-Laurence De Keersmaecker**

Secrétaire : **Sophie Vanwambeke**

### Usefull Contacts

Secrétaire de l'Ecole de géographie : **Monique Descamps**

## GEOG2M1 - Detailed programme

### Programme structure

The programme comprises core subjects of 50 credits and 10 credits for optional activities.

Core study

[> Core courses](#) [ en-prog-2013-geog2m1-lgeog211t.html ]

### Programme by subject

#### Core courses [60.0]

● Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

#### ○ Module de géographie humaine (8 credits)

● LGEO2110	<a href="#">Géographie des pays en voie de développement</a>	<a href="#">Eric Lambin</a>	30h+30h	5 Credits	1q
● LGEO2210	<a href="#">Advanced human geography</a>	<a href="#">Dominique Peeters</a>	30h	3 Credits	

#### ○ Module de géographie physique (10 credits)

● LGEO2120	<a href="#">Experimental geomorphology</a>	<a href="#">Kristof Van Oost, Bas van Wesemael (coord.)</a>	30h+30h	5 Credits	
● LGEO2240	<a href="#">Tectonic geomorphology</a>	<a href="#">Veerle Vanacker</a>	30h+30h	5 Credits	

#### ○ Module de techniques d'analyse géographique (10 credits)

● LGEO2130	<a href="#">Geographic modelling</a>	<a href="#">Eric Deleersnijder, Sophie Vanwambeke</a>	30h+30h	5 Credits	2q
● LGEO2150	<a href="#">Aides à la décision en géographie</a>	<a href="#">Dominique Peeters, Isabelle Thomas</a>	30h+30h	5 Credits	2q

#### ○ Module de travaux d'intégration (4 credits)

⊗ LGEO2170	<a href="#">Field Excursion</a>	<a href="#">Eric Lambin</a>	60h+30h	4 Credits	⊖
⊗ LGEO2270	<a href="#">Terrain II en géographie</a>	<a href="#">Sophie Vanwambeke</a>	60h+30h	4 Credits	⊕

#### ○ Philosophie (2 credits)

un cours à choisir parmi

⊗ LSC2001	<a href="#">Introduction to contemporary philosophy</a>	<a href="#">Nathalie Frogneux</a>	30h	2 Credits	2q △
⊗ LSC2220	<a href="#">Philosophy of science</a>	<a href="#">Alexandre Guay</a>	30h	2 Credits	2q
⊗ LFILO2003E	<a href="#">Ethics in the Sciences and technics (sem)</a>	N.		2 Credits	

○ LGEO2995	Mémoire	N.		15 Credits	
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### ○ Optional courses (11 credits)

Le programme est à compléter par des cours au choix de manière à atteindre au moins 60 crédits. L'attention des étudiants est attirée par la liste suivante : NB Le cours GEO 1242 ne peut être choisi que par des étudiants qui n'ont pas suivi les cours d'approfondissement en géographie pendant leur baccalauréat. Ce cours devrait faire partie du curriculum d'un géographe.

⊗ LGEO2230	Géographie médicale et de la santé	Sophie Vanwambeke	30h+30h	5 Credits	
⊗ LBIR1343	Environmental Economics	Frédéric Gaspart	37.5h+7.5h	4 Credits	2q
⊗ LAUCE3011	Acteurs, territoires et contextes de développement	Bernard Declève (coord.), Julie Denef, Yves Hanin	50h	5 Credits	1q
⊗ LGEO1242	Mathematical Geography	Michel Crucifix, Jean-Pascal van Ypersele de Strihou (coord.)	30h+15h	4 Credits	2q
⊗ LECGE1228	Regional Economics	Florian Mayneris	30h+10h	3 Credits	2q

