

GEOG2M

2014 - 2015

Master [120] in Geography : General

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In frenchDissertation/Graduation Project : **YES** - Internship : **NO**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Organized by: **Faculté des sciences (SC)**Programme code: **geog2m** - European Qualifications Framework (EQF): 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.

Whatever the focus or the options chosen, the programme of this master shall totalize 120 credits, spread over two years of studies each of 60 credits.

[> Tronc commun](#) [en-prog-2014-geog2m-lgeog210t.html]

Focuses

[> Research focus](#) [en-prog-2014-geog2m-lgeog200a]

[> Teaching focus](#) [en-prog-2014-geog2m-lgeog200d]

GEOG2M Detailed programme

Programme by subject

CORE COURSES [90.0]

● Mandatory

△ Courses not taught during 2014-2015

⊕ Periodic courses taught during 2014-2015

⊗ Optional

⊖ Periodic courses not taught during 2014-2015

‡ Two years course

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	Advanced human geography	Dominique Peeters	30h	3 Credits		x	
● LGEO2120	Applied geomorphology	Kristof Van Oost, Bas van Wesemael (coord.)	30h+30h	5 Credits		x	
● LGEO2240	Tectonic geomorphology	Veerte Vanacker	30h+30h	5 Credits		x	
● LGEO2130	Geographic modelling	Eric Deleersnijder, Sophie Vanwambeke	30h+30h	5 Credits	2q		x
○ un cours à choisir parmi les deux suivants : (5 credits)							
⊗ LGEO2140	Advanced physical geography	Kristof Van Oost (coord.), Veerte Vanacker	30h+30h	5 Credits			x
⊗ LGEO2150	Decision making in geography	Dominique Peeters, Isabelle Thomas	30h+30h	5 Credits	2q		x

o Philosophie (2 credits)

Un cours à choisir parmi les trois suivants :

⊗ LSC2001	Introduction to contemporary philosophy	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)	N.		2 Credits		x	x

o Mémoire (30 credits)

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

o Cours au choix (30 credits)

L'étudiant choisit des cours parmi la liste ci-dessous pour un total d'au moins 30 crédits.

o Choix parmi des cours de géographie

⊗ LGEO1242	Mathematical Geography	Michel Crucifix, Olivier Lecomte (compensates Jean-Pascal van Ypersele de Strihou), Patrick Meyfroidt (compensates Jean-Pascal van Ypersele de Strihou), Jean-Pascal van Ypersele de Strihou (coord.)	30h+15h	4 Credits	2q	x	x
⊗ LGEO2140	Advanced physical geography	Kristof Van Oost (coord.), Veerle Vanacker	30h+30h	5 Credits			x
⊗ LGEO2150	Decision making in geography	Dominique Peeters, Isabelle Thomas	30h+30h	5 Credits	2q	x	x
⊗ LGEO2230	Géographie médicale et de la santé	Sophie Vanwambeke	30h+30h	5 Credits	2q	x	x
⊗ 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	Dominique Peeters	30h+30h	5 Credits			x
⊗ LGEO2185	Advanced geo-processing	Kristof Van Oost	30h+30h	5 Credits			x
⊗ LGEO2270	Terrain II en géographie	Sophie Vanwambeke	60h+30h	4 Credits	⊙		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)	Dominique Peeters	25h+25h	4 Credits	2q	x	x
⊗ LGEO1331	Geomorphology	Bas van Wesemael, Bas van Wesemael (compensates Veerle Vanacker), Veerle Vanacker	30h+30h	5 Credits	2q	x	x

						Year	
						1	2
☒ LPHY1365	Meteorology	Michel Crucifix, Thierry Fichet, Thierry Fichet (compensates Jean-Pascal van Ypersele de Strihou), Jean-Pascal van Ypersele de Strihou	37.5h +22.5h	5 Credits	1q	x	x
☒ LGEO1332	Biogeography	Caroline Nieberding, Renate Wesselingh	45h+24h	5 Credits	2q	x	x

o Choix parmi les cours de climatologie

☒ LPHY2153	Introduction à la physique du système climatique et à sa modélisation	Hugues Goosse (compensates Jean-Pascal van Ypersele de Strihou), Hugues Goosse, Jean-Pascal van Ypersele de Strihou	30h+15h	5 Credits	1q	x	x
☒ 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

o Choix parmi des cours d'écologie

☒ LBIO1351	Ecology of individuals and populations	Thierry Hance, 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

o 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
☒ 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	Fabio Mariani, Aminata Sissoko (compensates Fabio Mariani)	30h	5 Credits	2q	x	x
☒ LGEO2001	Séminaire résidentiel inter-universitaire et international d'analyse spatiale	N.		10 Credits		x	x

o 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

o Choix parmi des cours de développement territorial

☒ LAUCE3011	Acteurs, territoires et contextes de développement	Bernard Declève (coord.), Yves Hanin	50h	5 Credits	1q	x	x
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						Year	
						1	2
⌘ 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

o Choix parmi des cours de bioingénierie environnementale

⌘ LBIR1305	Introduction to systems analysis	Mohamed Walid Ben Youssef Sadok	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.), Sébastien Lambot, Julien Radoux (compensates Pierre Defourny)	22.5h +22.5h	4 Credits	2q	x	x
⌘ LBRAT2102	Spatial modelling of territorial dynamics	Pierre Defourny	15h+15h	3 Credits	2q	x	x

o Cours au choix complémentaires pour la finalité didactique

⌘ LGEO2170	Field Excursion	Eric Lambin	60h+30h	4 Credits	Δ ⊕	x	x
⌘ 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

LIST OF FOCUSES[> Research focus](#) [en-prog-2014-geog2m-lgeog200a][> Teaching focus](#) [en-prog-2014-geog2m-lgeog200d]**RESEARCH FOCUS [30.0]**

● Mandatory

△ Courses not taught during 2014-2015

⊕ Periodic courses taught during 2014-2015

⊗ Optional

⊖ Periodic courses not taught during 2014-2015

‡ Two years course

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		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	△ ⊕	x	

o 15 crédits à choisir parmi les cours suivants : (15 credits)

⊗ LGEO2230	Géographie médicale et de la santé	Sophie Vanwambeke	30h+30h	5 Credits	2q	x	x
⊗ 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	Dominique Peeters	30h+30h	5 Credits		x	x
⊗ LGEO2185	Advanced geo-processing	Kristof Van Oost	30h+30h	5 Credits		x	x
⊗ LPHY2153	Introduction à la physique du système climatique et à sa modélisation	Hugues Goosse (compensates Jean-Pascal van Ypersele de Strihou), Hugues Goosse, Jean-Pascal van Ypersele de Strihou	30h+15h	5 Credits	1q	x	x

o 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	N.	15h	4 Credits		x	x

TEACHING FOCUS [30.0]

○ Mandatory

△ Courses not taught during 2014-2015

⊕ Periodic courses taught during 2014-2015

⊗ Optional

⊖ Periodic courses not taught during 2014-2015

‡ Two years course

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
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○ 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.), Cécile Delens, Jean-Louis Dufays, Anne Ghysseleux, Jim Plumet, Marc Romainville, 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
⊗ LPHY2320A	Didactique et épistémologie de la physique (en ce compris le stage d'écoute)	Jim Plumet	37.5h +10h	4 Credits	1 + 2q	x	x
⊗ LSNAT2320A	Didactique et épistémologie des sciences naturelles (mineure) en ce compris le stage d'observation	Myriam De Kesel, Bernard Tinant	37.5h +10h	4 Credits	1 + 2q	x	x

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

○ LAGRE2120	The school institution and its context	Branka Cattonar, Karine Dejean, Vincent Dupriez, Christian Lannoye (coord.), Caroline Letor, Rudi Wattiez	22.5h +25h	4 Credits	1 ou 2q	x	x
○ LAGRE2400	See specifications in french	Michel Dupuis, Anne Ghysseleux (coord.)	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	James Day, Xavier Dejemeppe, Bernard Demuysere, Jean Goossens, Christian Lannoye, Pierre Meurens, Pascale Steyns (coord.), Pascal Vekeman	22.5h +22.5h	4 Credits	1 ou 2q	x	x
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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 réussite d'une année préparatoire de max. 60 crédits	Type long
> BA en agronomie	Accès au master moyennant réussite d'une année préparatoire de max. 60 crédits	Type court
> BA en sciences industrielles - type long	Après vérification de l'acquisition des matières prérequisés, soit accès moyennant la réussite d'une année préparatoire de 60 crédits max, soit accès	Type long

immédiat moyennant ajout
éventuel de 15 crédits max

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 [Valorisation des acquis de l'expérience](#)

It is possible to gain admission to all masters courses via the validation of professional experience procedure.

Personalized access

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

Admission and Enrolment Procedures for general registration

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)

Jury

Présidente : **Marie-Laurence De Keersmaecker**

Secrétaire : **Sophie Vanwambeke**

Usefull Contacts

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

