

## Faculty of Sciences



GEOG2

Licence en sciences géographiques (Diploma of the Second Cycle (Licence) in Geographical Sciences )



### Programme management

CGG Commission de géographie

**Responsable académique** : Bas van Wesemael

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### Admission procedure

The regular conditions and admission applications are detailed on the web page "Access to studies" :

<http://www.ucl.ac.be/etudes/libres/acces.html>

### General structure of the programme

The programme objective is to develop skills in the domain of geography and most particularly in the studies on the interactions between the human, geographical space and natural environment activities.

The studies are approached equally from the point of view of human geography as that of physical geography, in a special effort to integrate these two perspectives. The programme equally focuses on the perfecting the geographical techniques necessary for solving this problem.

The programme comprises a collection of courses divided into four modules :

- Human Geography
- Physical Geography
- Analysis Techniques
- Integrated practical work and General Courses

Emphasis is placed on ongoing evaluation of acquired knowledge and on the student taking responsibility for his own learning. 120 credits are divided up across the different courses depending on the amount of work required. (One credit takes into account all the study activities inherent to the course : theory, practical tasks, personal pieces of work, bibliographic research, exams and exam preparation).

Each year is divided up as per the trimestrial calendar established by the University.

10 credits worth of options must be chosen in the first term of the second year. The end of course thesis represents 22.5 credits. The student will choose the subject right from the second term of the first year. The choice of the director of the thesis and the options must be approved by the Geography Committee.

### Programme content

GEOG21 First year

#### Compulsory courses

##### Human Geography module

DEMO2110 Démographie générale[30h] (3 credits) (in French)

GEOG2141 Human and economic geography[75h+75h] (12 credits) (in French)

Eric Vilquin

Marie-Laurence De Keersmaecker,  
Dominique Peeters, Mark Rounsevell,  
Isabelle Thomas

##### Physical Geography module

GEOL2110 Slopes geomorphology[30h+30h] (5 credits) (in French)

GEOG2160 Biogeography[45h+24h] (5 credits) (in French)

PHYS2541 Meteorology and globe physics[37.5h+22.5h] (5 credits) (in French)

Bas van Wesemael

Michel Baguette, Renate Wesselingh  
André Berger, Thierry Fichetef,  
Jean-Pascal van Ypersele de Strihou

**Analysis Techniques module**

<u>GEOG2150</u>	Statistical modeling in geography[30h+30h] (5 credits) (in French)	Dominique Peeters (coord.), Isabelle Thomas
<u>GEOG2151</u>	Geographical information systems[30h+30h] (5 credits) (in English)	Mark Rounsevell
<u>GEOG2100</u>	Remote sensing of the environment[30h+30h] (5 credits) (in French)	Eric Lambin

**Integrated Works module**

<u>GEOG2120</u>	Integrated exercise in geography (I)[15h+15h] (2.5 credits) (in English)	Mark Rounsevell
<u>GEOG2162</u>	Field work (II)[0h+60h] (2.5 credits) ☒ (in French)	Mark Rounsevell, Bas van Wesemael

**General courses**

<u>ANGL2465</u>	English - Interactive Communication Skills[30h] (2 credits)	Philippe Neyt
<u>SC2140</u>	Questions of religious sciences[15h] (1 credits) (in French)	José Reding

**Philosophy course**

<u>SC2001</u>	Introduction to contemporary philosophy[30h] (2 credits) (in French)	Laurent de Brier
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or

<u>SC2220</u>	Philosophy of science[30h] (2 credits) (in French)	Michel Ghins
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**Thesis**

<u>GEOG2999</u>	Mémoire(5 credits) (in French)	N.
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*The thesis is equivalent to 22.5 credits, 5 of which need to be taken in the first year.*

**GEOG22 Second year****Compulsory courses****Human Geography module**

<u>GEOG2132</u>	Developing countries' geography[30h+30h] (5 credits) (in French)	Jacques Charlier, Eric Lambin (coord.)
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**Physical Geography module**

<u>GEOL2360</u>	Experimental geomorphology[30h+30h] (5 credits) (in French)	Bas van Wesemael
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**Analysis Techniques module**

<u>GEOG2143</u>	Decision help in geography[30h+30h] (5 credits) (in French)	Dominique Peeters (coord.), Isabelle Thomas
<u>GEOG3120</u>	Remote sensing of ecological changes[30h+30h] (5 credits) (in French)	Eric Lambin
<u>GEOG2110</u>	Mathematical geography[30h+15h] (5 credits) (in French)	André Berger, Jean-Pascal van Ypersele de Strihou
<u>GEOG2123</u>	Geographical modeling[30h+30h] (5 credits) (in French)	Eric Deleersnijder, Mark Rounsevell (coord.)

**Integrated Works module**

<u>GEOG2122</u>	Integrated exercise in geography (II)[15h+15h] (2.5 credits) (in English)	Mark Rounsevell
<u>GEOG2161</u>	Field work (I)[0h+60h] (2.5 credits) ☒ (in French)	Eric Lambin, Dominique Peeters

**Thesis**

<u>GEOG2999</u>	Mémoire(5 credits) (in French)	N.
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*The thesis is equivalent to 22.5 credits, 17.5 of which need to be taken in the second year.*

**Options**

*At least 10 credits (the equivalent of two 60 hour courses) of studies will be chosen from among the courses offered at UCL during the first term. The following are particularly recommended :*

**Human Geography**

<u>SOC2430</u>	Urban and rural sociology[30h] (3.5 credits) (in French)	Bernard Francq
<u>BIR1343</u>	Economy of natural resources and the environment[37.5h+7.5h] (3.5 credits) (in French)	Frédéric Gaspart
<u>ECON2249</u>	Regional Economics[30h] (4 credits) (in French)	Jacques-François Thisse

**Physical Geography**

<u>GEOG2190</u>	Specialised questions about climatology[15h] (5 credits) (in French)	André Berger
<u>BIOL2191</u>	Individuals and populations ecology[45h] (3.5 credits) (in French)	Michel Baguette, Thierry Hance,

French)

Anne-Laure Jacquemart (coord.), Eric Le Boulengé, Olivier Raspé (supplée Anne-Laure Jacquemart), Hans Van Dyck, Renate Wesselingh

*partim*BIOL3362

Actualities in environment[15h] (1 credits) (in French)

Thierry Hance

BIRA2109A

Systèmes agraires et conduite de l'exploitation agricole : Systèmes agraires[22.5h] (2 credits) (in French)

Alain Peeters

BIR1305

Introduction to systems analysis[10h+20h] (2.5 credits) (in French)

Philippe Baret (coord.), Pierre Defourny, Marnik Vanclooster

BIRE2103

General hydrology[30h+30h] (5 credits) (in French)

Charles Bielders, Marnik Vanclooster

**Analysis Techniques**AMCO2991

Faisabilité et incidence des projets de développement territorial[30h] (3 credits) (in French)

Dominique Peeters

ENVI3006

Droit de l'environnement[30h] (4.5 credits) (in French)

Francis Haumont

VIDE1234

A préciser (in French)