

#### Block view of the study programme

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#### Block 1

##### Compulsory courses

##### Core courses common to the study paths

GEOG0057-1	<i>Spatial analysis</i> - François JONARD	Q2	30	30	-	5
GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	Q2	10	20	-	3
CLIM0026-1	<i>Global warming and natural risks</i> (english language) - Xavier FETTWEIS	Q2	10	20	-	3
GEOG2028-1	<i>Introduction to spatial planning</i> - JeanMarie HALLEUX - [1d FW]	Q1	15	15	[+]	3

##### Courses specific to the Study Path

ENVT3065-2	<i>Sustainability challenges, Partim 1 - Les enjeux climat et énergie</i> (english language) - Bertrand CORNÉLUSSE, Xavier FETTWEIS	Q1	16	16	-	3
SPAT0024-3	<i>Meteorology, Part 1</i> (english language) - Louis FRANÇOIS	Q1	20	10	-	3
CLIM0002-1	<i>Introduction to climate modelling</i> (english language) - Louis FRANÇOIS	Q2	15	7	-	2
GEOG2050-1	<i>Natural risks</i> - HansBalder HAVENITH, Geoffrey HOUBRECHTS, Aurelia HUBERT - [2d FW]	Q1	24	-	[+]	3
GEOG2052-1	<i>Field surveys in geomorphology and climatology</i> - Geoffrey HOUBRECHTS - [5d FW]	Q2	-	15	[+]	5
GEOG0661-1	<i>Earth surface processes</i> (english language) - Aurelia HUBERT	Q2	20	20	-	4
SPAT0027-3	<i>Climate change and impacts</i> (english language) - Louis FRANÇOIS, Guy MUNHOVEN	TA	30	30	-	5
GEOG2054-1	<i>The Sustainability of Rural Systems</i> (english language) - Serge SCHMITZ	Q2	15	15	-	4
GEOG2055-1	<i>Transition and spatial recomposition</i> - Guénaël DEVILLET	Q1	12	20	-	3

##### Optional courses

##### Courses specific to the Study Path

In agreement with the Jury, choose courses not already selected for a total of 10 credits from the lists below

##### Core curriculum

GEOG0660-1	<i>Introduction to modelling in physical geography - Partim 1 : Environment</i> (english language) - Xavier FETTWEIS	Q1	20	15	-	3
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##### Climatology

MATH0508-1	<i>Time series analysis in climatology</i> (english language) - Samuel NICOLAY	Q1	20	10	-	3
CLIM0016-1	<i>Remote sensing applied to climatology</i> (english language) - Nicolas CLERBAUX (Odd years)	Q2	20	10	-	3
CLIM0007-2	<i>Greenhouse gases - Measures and instruments to mitigate climate change</i> (english language) - Emmanuel MAHIEU (Odd years)	Q1	30	-	-	4
ENVT3056-1	<i>Agrometeorology</i> (Even years) - <i>Agrometeorology Basis</i> - Bernard TYCHON - <i>Applied Agrometeorology</i> - Bernard TYCHON - [1d FW]	Q2				7
			15	15	-	
			45	15	[+]	

##### Geomorphology and environmental risks

GEOG0242-2	<i>Applied Geomorphology and Continental Deposits Study Methods</i> - Geoffrey HOUBRECHTS - [3d FW]	Q1	20	20	[+]	5
GEOG0060-1	<i>Remote sensing</i> - François JONARD	Q1	25	25	-	5
GEOG0036-1	<i>Seismotectonic</i> - Aurelia HUBERT (Odd years)	Q1	20	10	-	4

GEOG0036-2 *Seismotectonic, Additional information from the field* - Aurelia HUBERT - [2d FW] (Odd years) Q2 - 5 [+] 1

#### Human aspects of global environmental changes

GEOG2033-1 *Urban and territorial economy: spatial development* - JeanMarie HALLEUX Q2 15 15 - 3

GEOG0667-1 *The Territorial dimension of the European Green deal. Chaire Sporck (english language)* - Marina FROLOVA IGNATIEVA, Serge SCHMITZ Q2 15 6 - 2

#### Basic courses

GEOG2020-1 *Elements of meteorology* - Sébastien DOUTRELOUP, Xavier FETTWEIS - [2d FW] Q1 20 15 [+] 3

GEOG0630-5 *Climatic geomorphology, Part A* - Aurelia HUBERT - [4d FW] Q1 15 10 [+] 3

#### Single focus

##### Research Focus

In agreement with the Jury, choose a course not already chosen among the three courses below:

##### Climatology

CLIM0660-1 *Introduction to modelling in physical geography - Partim 2 : Climatology (english language)* - Xavier FETTWEIS Q2 10 20 - 4

##### Geomorphology and environmental hazards

GEOG0072-1 *Land use changes, landsliding, soil and gully erosion - a series of lectures by experts (english language)* - Olivier DEWITTE, Aurelia HUBERT, Matthias VANMAERCKE Q2 10 20 - 4

##### Human aspects of global environmental changes

SOCI2251-1 *European Immigration Policy (english language)* - Marco MARTINIELLO - Suppl : Thomas HUDDLESTON Q2 30 - - 4

#### Block 2

##### Compulsory courses

##### Core courses common to the study paths

SMEM0043-1 *Final thesis* - COLLÉGIALITÉ TA - - - 20

SSTG0060-1 *Internships* - COLLÉGIALITÉ - [6w Internship] TA - - [+] 6

##### Courses specific to the Study Path

##### Optional courses

##### Courses specific to the Study Path

In agreement with the Jury, choose one of the following courses

CLIM0005-1 *Operational meteorology* - COLLÉGIALITÉ - [18d SEM] Q2 - - [+] 8  
*Notice : Collegiality = Royal Military School and Meteorological Wing*

SSTG2036-1 *Professional or scientific internship* - COLLÉGIALITÉ Q2 - - - 8

#### Single focus

##### Research Focus

In agreement with the Jury, choose courses not already chosen for a total of 26 credits among:

##### Climatology

SPAT0025-1	<i>Climate and environmental modelling</i> (english language) - Louis FRANÇOIS, Guy MUNHOVEN	Q2	30	15	-	4	
SPAT0024-4	<i>Meteorology, Part 2</i> (english language) - Louis FRANÇOIS	Q1	20	10	-	2	
CLIM0017-2	<i>Climate modelling</i> (english language) - Part : Atmosphere - Xavier FETTWEIS - Part 2: Vegetation and carbon cycle - Louis FRANÇOIS	Q1		10 15	20 25	- -	7
CLIM0024-1	<i>Introduction to modelling in physical geography - Partim 3: Advanced climatology</i> (english language) - Xavier FETTWEIS	Q1	10	20	-	3	
OCEA0075-2	<i>Physical oceanography and marine meteorology, Theory and practice</i> (english language) - JeanMarie BECKERS	Q1	30	15	-	4	

#### Geomorphology and environmental hazards

GEOG0633-2	<i>Rivers dynamics, Application to the management of rivers</i> - Geoffrey HOUBRECHTS - [2d FW] (Even years)	Q2	10	5	[+]	3
GEOG0047-1	<i>Disaster risk management</i> (english language) - Pierre OZER (Odd years)	Q1	20	10	-	4
GEOG2012-1	<i>Coastal geomorphology, changing sea levels and the vulnerability of coastal regions</i> - Aurelia HUBERT - [3d FW]	Q2	20	10	[+]	4

#### Human aspects of global environmental changes

GEOG0058-1	<i>Regional development project</i> - Guénaël DEVILLET, Serge SCHMITZ - [6d FW]	TA	10	40	[+]	7
SOCI2248-1	<i>Refugee Studies - Forced Migration</i> (english language) - Elsa MESCOLI	Q2	18	12	-	6

[...] courses from the master in geography, climatology of the UCL for a maximum of 7 credits

[...] courses not already taken from the master in geography, global change or from the master in geography, general or from the master in geography, geomatics or from the master in geology (120 ECTS).

[...] From ULiege or another institution courses programme for a maximum of 6 credits

#### Bloc d'aménagement du programme de l'année

### Additional credits Master in geography, global change, research focus

#### Optional courses

Depending on the student's educational background and in agreement with the jury, choose, if necessary, courses for a maximum of 20 credits from the list below :

GEOG2020-1	<i>Elements of meteorology</i> - Sébastien DOUTRELOUP, Xavier FETTWEIS - [2d FW]	Q1	20	15	[+]	3	
GEOG0217-2	<i>Hydrology</i> - Geoffrey HOUBRECHTS - [2d FW]	Q1	15	10	[+]	3	
GEOG0055-1	<i>Environmental geography</i> (english language) - Part 1 - Pierre OZER, Serge SCHMITZ - Part 2 - Pierre OZER, Serge SCHMITZ - [6d FW]	Q2		24 -	6 6	- [+]	5
GEOG0201-4	<i>Quaternary geology and geomorphology</i> - Theory - Aurelia HUBERT - Field - Aurelia HUBERT - [2d FW] - Futher theory - Aurelia HUBERT	Q2		15 - 5	- - -	- [+] -	3
GEOG0204-2	<i>Fluvial geomorphology and hydrography</i> - Geoffrey HOUBRECHTS - [3d FW]	Q2	20	15	[+]	3	
GEOG0238-5	<i>Geographical Information Systems, Introduction</i> - Roland BILLEN,	Q1	15	15	-	3	

