

#### Block view of the study programme

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#### Block 1

##### Cours au choix de la finalité

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 Q2 30 - - 4

#### Compulsory courses

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

GEOG0057-1 *Spatial analysis* - François JONARD Q2 30 30 - 5

GEOG0650-2 *Impact studies* - Guénaél DEVILLET Q2 10 20 - 3

CLIM0026-1 *Global warming and natural risks* (english language) - Xavier FETTWEIS, JeanPascal VAN YPERSELE Q2 10 20 - 3

GEOG2028-1 *Introduction to spatial planning: planning systems and the major challenges of the contemporary world* - JeanMarie HALLEUX - [1d FW] Q1 15 15 [+] 3

##### Courses specific to the Study Path

ENVT3065-2 *Sustainability challenges, Partim 1 - Les enjeux climat et énergie* (english language) - Bertrand CORNÉLUSSE, Xavier FETTWEIS Q1 16 16 - 3

SPAT0024-3 *Meteorology, Part 1* (english language) - Louis FRANÇOIS Q1 20 10 - 3

CLIM0002-1 *Introduction to climate modelling* (english language) - Louis FRANÇOIS Q2 15 7 - 2

GEOG2050-1 *Natural risks* - HansBalder HAVENITH, Geoffrey HOUBRECHTS, Aurelia HUBERT - [1d FW] Q1 24 - [+] 3

GEOG2052-1 *Field surveys in geomorphology and climatology* - Geoffrey HOUBRECHTS - [5d FW] Q2 - 15 [+] 5

GEOG0661-1 *Earth surface processes* (english language) - Aurelia HUBERT Q2 20 20 - 4

SPAT0027-3 *Climate change and impacts* (english language) - Louis FRANÇOIS, Guy MUNHOVEN TA 30 30 - 5

GEOG2054-1 *The Sustainability of Rural Systems* (english language) - Serge SCHMITZ Q1 15 15 - 4

GEOG2055-1 *Transition and spatial recomposition* - Guénaél 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 *Introduction to modelling in physical geography - Partim 1 : Environment* (english language) - Xavier FETTWEIS Q1 20 15 - 3

##### 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> - Sébastien DOUTRELOUP, Bernard TYCHON (Even years)	Q2	40	40	-	7

#### 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	30	30	-	5
GEOG0670-1	<i>Active Tectonics and Seismology</i> (english language) - Clara BRERETON, HansBalder HAVENITH, Aurelia HUBERT - [2d FW]	Q1	20	10	[+]	5

#### Human aspects of global environmental changes

GEOG2033-1	<i>Urban and territorial economy: spatial development</i> - JeanMarie HALLEUX	Q2	15	15	-	3
GEOG0667-1	<i>The Territorial dimension of the European Green deal. Chaire Sporck</i> (english language) - Jean RUEGG, Serge SCHMITZ	Q2	15	6	-	2

#### Basic courses

GEOG2020-1	<i>Elements of meteorology</i> - Sébastien DOUTRELOUP, Xavier FETTWEIS - [2d FW]	Q1	20	15	[+]	3
GEOG0630-5	<i>Climatic geomorphology, Part A</i> - Aurelia HUBERT - [4d FW]	Q1	15	10	[+]	3

#### Block 2

##### Cours au choix de la finalité

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 20 15 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
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SOCI2248-1	<i>Refugee Studies - Forced Migration</i> (english language)	Q2	18	12	-	<b>6</b>
[...]	courses from the master in geography, climatology of the UCL for a maximum of 7 credits					
[...]	les cours non déjà choisis du master en sciences géographiques, orientation global change ou du master en sciences géographiques, orientation géomatique ou du master en océanographie ou du master en sciences géologiques, à finalité					
[...]	From ULiege or another institution courses programme for a maximum of 6 credits					

#### Compulsory courses

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

SMEM0043-1	<i>Final thesis</i> - COLLÉGIALITÉ	TA	-	-	-	<b>20</b>
SSTG0060-1	<i>Internships</i> - COLLÉGIALITÉ - [6w Internship]	TA	-	-	[+]	<b>6</b>

##### 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	<i>Operational meteorology</i> - COLLÉGIALITÉ - [18d SEM]	Q2	-	-	[+]	<b>8</b>
	<i>Notice</i> : Collegiality = Royal Military School and Meteorological Wing					
SSTG2036-1	<i>Professional or scientific internship</i> - COLLÉGIALITÉ	Q2	-	-	-	<b>8</b>

#### 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	[+]	<b>3</b>
GEOG0217-2	<i>Hydrology</i> - Geoffrey HOUBRECHTS - [1d FW]	Q1	15	10	[+]	<b>3</b>
GEOG0055-1	<i>Environmental geography</i> (english language) - <i>Part 1</i> - Pierre OZER, Serge SCHMITZ - <i>Part 2</i> - Pierre OZER, Serge SCHMITZ - [6d FW]	Q2	24	6	-	<b>5</b>
			-	6	[+]	
GEOG0201-3	<i>Quaternary geology and geomorphology</i> - <i>Theory</i> - Aurelia HUBERT, N... - <i>Field</i> - Aurelia HUBERT, N... - [2d FW]	Q2	15	-	-	<b>3</b>
			-	-	[+]	
GEOG0204-2	<i>Fluvial geomorphology and hydrography</i> - Geoffrey HOUBRECHTS - [3d FW]	Q2	20	15	[+]	<b>3</b>
GEOG0238-5	<i>Geographical Information Systems, Introduction</i> - Roland BILLEN, François JONARD	Q1	15	15	-	<b>3</b>