

Cycle view of the study programme

B1 Or Th Pr Au Cr

Compulsory courses (B1 : 46Cr, B2 : 26Cr)
Core courses common to the study paths

GEOG0057-1	<i>Spatial analysis</i> - François JONARD, JeanPaul KASPRZYK	B1	Q2	30	30	-	5
GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	B1	Q2	10	20	-	3
CLIM0026-1	<i>Global warming and natural risks</i> (english language) - Xavier FETTWEIS, JeanPascal VAN YPERSELE	B1	Q2	15	15	-	3
GEOG2028-1	<i>Introduction to spatial planning: planning systems and the major challenges of the contemporary world</i> - JeanMarie HALLEUX - [1d FW]	B1	Q1	15	15	[+]	3
SMEM0043-1	<i>Final thesis</i> - COLLÉGIALITÉ	B2	TA	-	-	-	20
SSTG0060-1	<i>Internships</i> - COLLÉGIALITÉ, Sébastien DOUTRELOUP - [6w Internship]	B2	TA	-	-	[+]	6

Courses specific to the Study Path

SPAT0024-3	<i>Meteorology, Part 1</i> (english language) - Louis FRANÇOIS	B1	Q1	20	10	-	3
CLIM0002-1	<i>Introduction to climate modelling</i> (english language) - Louis FRANÇOIS	B1	Q2	15	7	-	2
GEOG2050-1	<i>Natural risks</i> - HansBalder HAVENITH, Geoffrey HOUBRECHTS, Aurelia HUBERT - [1d FW]	B1	Q1	24	-	[+]	3
GEOG0242-2	<i>Applied geomorphology: field methods and lab methods</i> - Geoffrey HOUBRECHTS - [2d FW]	B1	Q1	20	10	[+]	5
GEOG0661-1	<i>Earth Surface Dynamics and Anthropogenic Effects</i> (english language) - Aurelia HUBERT	B1	Q2	20	20	-	4
SPAT0027-3	<i>Climate change and impacts</i> (english language) - Louis FRANÇOIS, Guy MUNHOVEN	B1	TA	30	30	-	5
ENVT3065-2	<i>Sustainability challenges, Partim 1 - Les enjeux climat et énergie</i> (english language) - Bertrand CORNÉLUSSE, Xavier FETTWEIS	B1	Q1	16	16	-	3
GEOG2054-1	<i>The Sustainability of Rural Systems</i> (english language) - Serge SCHMITZ	B1	Q2	15	15	-	4
GEOG2055-1	<i>Transition and spatial recomposition, Service Learning</i> - Guénaël DEVILLET	B1	Q1	12	20	-	3

Optional courses (B1 : 10Cr, B2 : 8Cr)
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 (B1 : 10Cr)

Core curriculum

GEOG0060-1	<i>Remote sensing</i> - François JONARD	B1	Q1	30	30	-	5
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Climatology

MATH0508-1	<i>Time series analysis in climatology</i> (english language) - Samuel NICOLAY	B1	Q1	20	10	-	3
CLIM0016-1	<i>Remote sensing applied to climatology</i> (english language) - Nicolas CLERBAUX (Odd years)	B1	Q2	20	10	-	3
CLIM0007-2	<i>Greenhouse gases - Measures and instruments to mitigate climate change</i> (english language) - Emmanuel MAHIEU (Odd years)	B1	Q1	30	-	-	4
ENVT3056-1	<i>Agrometeorology</i> - Sébastien DOUTRELOUP, Moussa EL JARROUDI, Bernard TYCHON (Even years)	B1	Q2	40	40	-	7

Geomorphology and environmental risks

GEOG0670-1	<i>Active Tectonics and Seismology</i> (english language) - Clara BRERETON, HansBalder HAVENITH, Aurelia HUBERT - [2d	B1	Q1	20	10	[+]	5
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FW]

GEOG2052-1 *Field surveys in geomorphology and climatology* - Geoffrey HOUBRECHTS - [5d FW] B1 Q2 - 15 [+] 5

GEOG0633-2 *Rivers dynamics, Application to the management of rivers* - Geoffrey HOUBRECHTS - [2d FW] (Even years) B1 Q2 10 5 [+] 3

Human aspects of global environmental change

GEOG2033-1 *Urban and territorial economy: spatial development* - JeanMarie HALLEUX B1 Q2 15 15 - 3

GEOG0667-1 *The Territorial dimension of the European Green deal. Chaire Sporck (english language)* - Serge SCHMITZ, Philippe VIDAL B1 Q1 15 6 - 2

Basic courses

GEOG2020-1 *Elements of meteorology* - Sébastien DOUTRELOUP, Xavier FETTWEIS - [2d FW] B1 Q1 20 15 [+] 3

GEOG0630-5 *Geomorphological dynamics in different climates: from glaciers to deserts, Part A* - Aurelia HUBERT, Brice NOËL - [4d FW] B1 Q1 15 10 [+] 3

GEOG0204-2 *Fluvial geomorphology and hydrography* - Geoffrey HOUBRECHTS - [3d FW] B1 Q2 20 15 [+] 3

GEOG2059-1 *Introduction to programming in geosciences* - Xavier FETTWEIS, Christoph KITTEL B1 Q1 20 40 - 5

In agreement with the Jury, choose one of the following courses (B2 : 8Cr)

CLIM0005-1 *Operational meteorology* - COLLÉGIALITÉ - [18d SEM] B2 Q2 - - [+] 8
Notice : Collegiality = Royal Military School and Meteorological Wing

SSTG2036-1 *Professional or scientific internship* - COLLÉGIALITÉ, Sébastien DOUTRELOUP B2 Q2 - - - 8

Focus optional courses (B1 : 4Cr, B2 : 26Cr)

En accord avec le Jury, choisir un ou deux cours non déjà choisis pour un total de 4 crédits parmi : (B1 : 4Cr)

Climatology

CLIM0660-1 *Introduction to modelling in climatology - Partim 1 : analyze of climate data (english language)* - Xavier FETTWEIS, Christoph KITTEL B1 Q2 10 10 - 2

CLIM0662-1 *Ice sheets and glacier melt under climate warming: processes and feedbacks (english language)* - Brice NOËL B1 Q1 10 10 - 2

Geomorphology and environmental risks

GEOG0072-1 *Advanced Topics in Land Use and Geomorphological Hazards: Expert Lectures (english language)* - Olivier DEWITTE, Aurelia HUBERT, Matthias VANMAERCKE B1 Q2 10 20 - 4

GEOG0047-1 *Disaster risk management (english language)* - Pierre OZER (Odd years) B1 Q1 20 10 - 4

Human aspects of global environmental change

SOCI2251-1 *European Immigration Policy (english language)* B1 Q2 30 - - 4

In agreement with the Jury, choose courses not already chosen for a total of 26 credits among: (B2 : 26Cr)

Climatology

SPAT0025-1 *Climate and environmental modelling (english language)* - Louis FRANÇOIS, Guy MUNHOVEN B2 Q2 30 15 - 4

SPAT0024-4 *Meteorology, Part 2 (english language)* - Louis FRANÇOIS B2 Q1 20 10 - 2

CLIM0017-2	<i>Climate modelling (english language)</i> - Part : Atmosphere - Xavier FETTWEIS - Part 2: Vegetation and carbon cycle - Louis FRANÇOIS	B2	Q1	10	20	-			7
CLIM0024-1	<i>Introduction to modelling in climatology - Partim 2: Linux and supercomputing in Fortran (english language)</i> - Xavier FETTWEIS	B2	Q1	10	20	-			3
OCEA0075-2	<i>Physical oceanography and marine meteorology, Theory and practice (english language)</i> - JeanMarie BECKERS	B2	Q1	30	15	-			4
Geomorphology and environmental risks									
GEOG2012-1	<i>Coastal geomorphology, changing sea levels and the vulnerability of coastal regions</i> - Aurelia HUBERT - [3d FW]	B2	Q2	20	10	[+]			4
Human aspects of global environmental change									
SOCI2248-1	<i>Refugee Studies - Forced Migration (english language)</i>	B2	Q2	18	12	-			6
SOCI2248-2	<i>Refugee Studies - Forced Migration, Service learning (english language)</i>	B2	Q2	18	12	-			6
GEOG0058-1	<i>Regional development project</i> - Part 1 - Guénaël DEVILLET, Serge SCHMITZ - [6d FW] - Part 2 - Guénaël DEVILLET, Serge SCHMITZ	B2	TA	10	14	[+]			7
GEOG0058-2	<i>Regional development project, Part 1</i> - Guénaël DEVILLET, Serge SCHMITZ - [6d FW]	B2	TA	10	14	[+]			5
GEOG0667-2	<i>The Territorial dimension of the European Green deal. Chaire Sporck (english language)</i> - Serge SCHMITZ, Philippe VIDAL	B2	Q1	15	6	-			2
GEOG2035-1	<i>Tourism development Strategy</i> - Serge SCHMITZ - [2d FW]	B2	Q1	15	10	[+]			4
[...]	les cours du master en sciences géographiques, orientation climatologie de l'UCLouvain pour un maximum de 7 crédits								
[...]	courses not already taken from the master in geography, global change								
[...]	les cours non déjà choisis du master en sciences géographiques, orientation géomatique								
[...]	les cours non déjà choisis du master en océanographie								
[...]	les cours non déjà choisis du master en sciences géologiques, à finalité								
[...]	les cours non déjà choisis du master en urbanisme et développement territorial								
[...]	le programme des cours de l'ULiège ou d'une autre institution pour un maximum de 8 crédits								

Bridging courses Master in geography, global change, research focus

Optional courses (B0 : 20Cr)

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 : (B0 : 20Cr)

GEOG2020-1	<i>Elements of meteorology</i> - Sébastien DOUTRELOUP, Xavier FETTWEIS - [2d FW]	B0	Q1	20	15	[+]			3
GEOG0217-2	<i>Hydrology</i> - Geoffrey HOUBRECHTS - [1d FW]	B0	Q1	15	10	[+]			3
GEOG0238-5	<i>Geographical Information Systems, Introduction</i> - Roland BILLEN, François JONARD	B0	Q1	15	15	-			3
GEOG0055-1	<i>Environmental geography</i> - Part 1 - Pierre OZER, Serge SCHMITZ - Part 2 - Pierre OZER, Serge SCHMITZ - [6d FW]	B0	Q2	24	6	-			5
GEOG0201-3	<i>Paléogéographie et changements climatiques</i>	B0	Q2	-	6	[+]			3

	- <i>Théorie</i> - Sébastien DOUTRELOUP, Aurelia HUBERT	20	-	-		
	- <i>Terrain</i> - Sébastien DOUTRELOUP, Aurelia HUBERT - [2d FW]	-	-	[+]		
GEOG0204-2	<i>Fluvial geomorphology and hydrography</i> - Geoffrey HOUBRECHTS - [3d FW]	B0	Q2	20	15	[+] 3