

Two-Year Master Program (120 ECTS)

First Year

Core courses common to the study paths

Compulsory courses

GEOG0238-1	<i>Geographical Information Systems</i> - Jean-Paul DONNAY	30	30	-	6
SPOL2209-3	<i>Environmental and land policies</i> - Quentin MICHEL	30	-	-	3
GEOG0605-1	<i>Regional geography and geomorphology</i> - François PETIT - [4d FW]	20	-	[+]	3
GEOG0622-1	<i>Project management</i> - Jean-Paul DONNAY	10	10	-	2

Courses specific to the Study Path

Compulsory courses

CLIM0002-1	<i>Climate models : principles and applications</i> - Louis FRANÇOIS	45	15	-	6
CLIM0003-1	<i>Climate changes and impacts</i> - Louis FRANÇOIS	45	15	-	5
CLIM0004-1	<i>Zonal climatology and topoclimatology</i>	15	15	-	3
CLIM0010-1	<i>Fortran and Linux for the climatologist</i> - Xavier FETTWEIS	15	45	-	5
ENVT0846-1	<i>Introduction to Sustainable Development</i> - Marc MORMONT, Pierre M. STASSART	20	5	-	3
ENVT0877-1	<i>Basis of Agrometeorology</i> - Bernard TYCHON	15	15	-	3
GEOG0607-3	<i>Topoclimatology</i> - Michel ERPICUM - [2d FW]	15	15	[+]	4
MATH0221-4	<i>Analysis of time series</i> - Pierre MAGAIN	15	15	-	3
OCEA0014-1	<i>Mathematical analysis and modelling methods applied to the environment</i> - Eric DELHEZ	20	20	-	4
PHYS0209-2	<i>Numerical methods in physics</i> - Thierry BASTIN	15	20	-	4
SPAT0024-2	<i>Meteorology</i> - Louis FRANÇOIS	40	20	-	6

Students who have already taken the cours *Numerical methods in physics* must choose, with the approval of the Board of Studies, one course totaling 4 ECTS not already taken in the 3rd year of Bachelor or in one of the programmes of Master in Geography.

Second year

Core courses common to the study paths

GEOG0025-1	<i>Research Design in Spatial Sciences</i> - Jean-Paul DONNAY	10	10	-	2
GEOG0646-1	<i>Seminars</i> - COLLÉGIALITÉ	-	-	-	2
	<i>Notice</i> : Collegiality = Climatology Team				
GEOG0658-1	<i>Final thesis supervision</i> - COLLÉGIALITÉ	-	-	-	3
SMEM0033-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	20

Courses specific to the Study Path

CLIM0011-1	<i>Energy and territories</i> - Bernadette MERENNE#SCHOUAKER - [1d Mon. WS]	15	15	[+]	3
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Research Focus

Compulsory courses

CLIM0005-1	<i>Operational meteorology</i> - COLLÉGIALITÉ - [18d SEM]	-	-	[+]	7
	<i>Notice</i> : Collegiality = Royal Military School and Meteorological Wing				
CLIM0001-1	<i>Applied climatology</i> - Michel ERPICUM - [1d FW]	20	10	[+]	3

Optional courses

Choose two modules from :

Climates, natural environments and societies

Study programmes 2010-2011

Faculty of Sciences

Master in Geography : Climatology

CLIM0012-3	<i>Urban climate</i> - Michel ERPICUM	20	-	-	2
GEOG0630-4	<i>Climatic geomorphology</i> - Aurelia HUBERT - [4d FW]	20	-	[+]	3
CLIM0007-1	<i>Greenhouse gases - Measures and instruments to mitigate climate change</i> - Emmanuel MAHIEU	20	-	-	2
GEOG0633-1	<i>Rivers dynamics</i> - François PETIT - [2d FW]	15	15	[+]	3
Modelling and Climate Change					
SPAT0048-3	<i>Physics of the earth's atmosphere and environment</i> - Jean-Claude GÉRARD	30	-	-	3
CLIM0008-1	<i>Regional climate modelling</i> - Xavier FETTWEIS, Louis FRANÇOIS	30	20	-	4
CLIM0009-1	<i>Biogeochemical cycle modelling and global changes</i> - Louis FRANÇOIS	20	20	-	3
Climate Risks, Biometeorology and Developing Countries					
ENVT0879-2	<i>Applied agrometeorology</i> - Bernard TYCHON - [1d FW]	45	15	[+]	5
ENVT0881-1	<i>Environmental degradation and desertification</i> - Pierre OZER	20	-	-	2
SPOL0005-2	<i>International risk management seminar</i> - Sébastien BRUNET (Odd years)	30	-	-	3