

## Two-Year Master Program (120 ECTS)

Access conditions to the Master

([http://www.ulg.ac.be/cms/c\\_46128/master-en-sciences-geographiques-orientation-geomematique-et-geometrologie](http://www.ulg.ac.be/cms/c_46128/master-en-sciences-geographiques-orientation-geomematique-et-geometrologie))

### First Year

Core courses common to the study paths

#### Compulsory courses

GEOG0238-1	<i>Geographical Information Systems</i> - Jean-Paul DONNAY	30	30	-	<b>6</b>
GEOG0622-1	<i>Project management</i> - Jean-Paul DONNAY	10	10	-	<b>2</b>
GEOG0605-1	<i>Regional geography and geomorphology</i> - François PETIT - [4d FW]	20	-	[+]	<b>3</b>
GEOG0631-2	<i>Seminars</i> - COLLÉGIALITÉ - [20h SEM]	-	-	[+]	<b>2</b>

*Notice* : Collegiality = Geography team

SPOL2209-3	<i>Environmental and land policies</i> - Quentin MICHEL	30	-	-	<b>3</b>
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Courses specific to the Study Path

#### Compulsory courses

GEOG0234-1	<i>Photogrammetry</i> - Yves CORNET	30	15	-	<b>5</b>
GEOG0019-2	<i>Applied Surveying</i> - Roland BILLEN	30	40	-	<b>6</b>
GEOG0022-2	<i>Integrated Geomatics Project</i> - Roland BILLEN, Jean-Paul DONNAY - [70h FW]	-	-	[+]	<b>7</b>
GEOG0645-1	<i>Professional practices : the geometrist</i> - Roland BILLEN	20	10	-	<b>3</b>
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Benjamin DEWALS	25	25	-	<b>5</b>
GCIV0620-1	<i>Introduction to geotechnics</i> - Robert CHARLIER - [1d FW]	30	20	[+]	<b>5</b>
GEOG0037-1	<i>GNSS : Theory and applications</i> - René WARNANT	35	15	-	<b>5</b>

#### Compulsory courses, taught every other year

GCIV0626-1	<i>Constructions : materials and pathologies</i> - Luc COURARD (Odd years)	40	10	-	<b>5</b>
ARCH0077-1	<i>Constructions : buildings and pathologies</i> - Jean-Marie HAUGLUSTAINE (Even years)	40	10	-	<b>5</b>

#### Optional courses

With the agreement of the council of studies choose a course among the following :

GEOG2008-4	<i>Territorial development and spatial planning</i> - Jean-Marie HALLEUX - [1d FW]	15	15	[+]	<b>3</b>
GEOG0607-2	<i>Topoclimatology</i> - Michel ERPICUM - [1d FW]	15	15	[+]	<b>3</b>
GEOG0033-2	<i>Applied Hydrology</i> - François PETIT - [1d FW]	15	15	[+]	<b>3</b>

## Second year (new programme for 2011-2012)

Core courses common to the study paths

#### Compulsory courses

GEOG0025-1	<i>Research Design in Spatial Sciences</i> - Jean-Paul DONNAY	10	10	-	<b>2</b>
GEOG0007-1	<i>Thesis supervision and seminars</i> - COLLÉGIALITÉ	-	-	-	<b>2</b>
SMEM0002-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	<b>20</b>

Courses specific to the Study Path

#### Compulsory courses

GEST0188-2	<i>Determination and Recognition of Quality and Conformity</i> - Jean-Marie RIGO	20	10	-	<b>3</b>
GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	10	20	-	<b>3</b>

#### Professional Focus

##### Compulsory courses

INFO0010-2	<i>Introduction to computer networking (english language)</i> - Guy LEDUC	30	15	-	<b>5</b>
SSTG0020-1	<i>Training</i> - COLLÉGIALITÉ - [120h Internship]	-	-	[+]	<b>8</b>

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ARCH0059-1	<i>Pathology of buildings</i> - Jean-Marie HAUGLUSTAINE	15	-	-	2
GEOG0270-1	<i>Special issues on GIS</i> - Roland BILLEN, Jean-Paul DONNAY	20	20	-	3
GEOG0271-2	<i>Special issues on spatial data acquisition</i> - Roland BILLEN, Yves CORNET	15	15	-	2
GEOG0038-1	<i>Space geodesy</i> - René WARNANT - [1d FW]	20	-	[+]	2
GEOG2003-1	<i>Territorial development</i> - Jean-Marie HALLEUX	20	-	-	3
<b>Compulsory courses, taught every other year</b>					
GCIV0626-1	<i>Constructions : materials and pathologies</i> - Luc COURARD (Odd years)	40	10	-	5
ARCH0078-1	<i>Constructions : buildings and pathologies</i> - Jean-Marie HAUGLUSTAINE (Even years)	40	10	-	5