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## First Year

Core courses common to the study paths

### Compulsory courses

GEOG0238-1	<i>Geographical Information Systems</i> - JeanPaul DONNAY	30	30	-	<b>6</b>
GEOG0622-1	<i>Project management</i> - JeanPaul 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

Courses specific to the Study Path

### Compulsory courses

PHYS0209-2	<i>Numerical methods in physics</i> - Alejandro SILHANEK	15	20	-	<b>3</b>
GEOG0216-3	<i>Complement of cartographic projections</i> - JeanPaul DONNAY	15	20	-	<b>3</b>
GEOG2008-3	<i>Territorial development and spatial planning</i> - JeanMarie HALLEUX - [1d FW]	30	30	[+]	<b>5</b>
GEOG0222-3	<i>Rural Geography</i> - Serge SCHMITZ - [3d FW]	30	16	[+]	<b>5</b>
GEOG0630-3	<i>Climatic geomorphology</i> - Aurelia HUBERT - [4d FW]	30	15	[+]	<b>4</b>
GEOG0036-1	<i>Morphotectonics and volcanism</i> - Alain DEMOULIN - [2d FW]	25	15	[+]	<b>4</b>
GEOG2012-1	<i>Coastal geomorphology</i> - Aurelia HUBERT - [2d FW]	20	10	[+]	<b>3</b>

Students who have already taken the cours *Numerical methods in physics* and *Cartographic projections* must choose, with the approval of the Board of Studies, courses totaling 6 ECTS not already taken in the 3rd year of Bachelor.

### Optional courses

*With the approval of the Board of Studies, choose one option from the following :*

#### Basis of geomorphology

GEOG0242-2	<i>Applied geomorphology and methods to study continental deposits</i> - Geoffrey HOUBRECHTS - [2d FW]	20	15	[+]	<b>5</b>
GEOL1026-2	<i>Complement of geology, 1st part : elements of mineralogy</i> - Frédéric HATERT	20	20	-	<b>3</b>
GEOG0633-1	<i>Rivers dynamics</i> - François PETIT - [2d FW]	15	15	[+]	<b>4</b>
GEOG0262-2	<i>Methods of spatial data acquisition</i> - Roland BILLEN, René WARNANT - [3d FW]	15	15	[+]	<b>4</b>
GEOL0006-1	<i>Rocks and sedimentary processes</i> - Frédéric BOULVAIN - [1d FW]	30	-	[+]	<b>4</b>

#### Basis of territorial development and geomatics

GEOG0643-1	<i>Governance methods and tools</i> - Christine PARTOUNE	10	10	-	<b>3</b>
GEOG0261-1	<i>Surveys and field protocols</i> - Serge SCHMITZ - [1d FW]	15	15	[+]	<b>3</b>
GEOG2009-1	<i>Sporck Chair</i> - Bernadette MERENNESCHOUMAKER, Lena SANDERS	15	-	-	<b>1</b>
ECON0007-2	<i>Public Management and Transport Economics</i> - HenryJean GATHON	30	15	-	<b>5</b>

With the approval of the Board of Studies : choose 8 ECTS from the following courses :

ARCH2004-2	<i>Concrete case study : urban projects (part)</i> - Jacques TELLER	30	-	-	<b>3</b>
ESHY0016-1	<i>Ecology applied to urban and regional planning (part 1)</i> - Emmanuël SÉRUSIAUX	15	15	-	<b>3</b>
GEOG0234-1	<i>Photogrammetry</i> - Yves CORNET	30	15	-	<b>5</b>
GEOG0262-2	<i>Methods of spatial data acquisition</i> - Roland BILLEN, René WARNANT - [3d FW]	15	15	[+]	<b>4</b>
SOCI1240-2	<i>Sociology of Interventions in Developing Countries</i> - Marc PONCELET	30	-	-	<b>3</b>
SOCI0009-1	<i>Introductory seminar to organisational analysis</i> - Frédéric SCHOENAERS - [15h SEM]	15	-	[+]	<b>3</b>
ENVT0040-2	<i>Theory and interim management</i> - Pierre M. STASSART	24	24	-	<b>3</b>
[...]	With the agreement of the council of studies students can also choose any other course in the program at the University of Liege.				