

Cycle view of the study programme

B1 Or Th Pr Au Cr

Compulsory courses (B1 : 60Cr, B2 : 30Cr)

Core courses common to the study paths

GEOG0238-1	<i>Geographical Information Systems</i> - JeanPaul DONNAY Corequisite : GEOG0622-1 - Gestion des projets	B1	Q2	30	30	-	6
GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	B1	Q2	10	20	-	3
GEOG2028-1	<i>Spatial planning</i> - JeanMarie HALLEUX - [1d FW]	B1	Q1	15	15	[+]	3
GEOG0622-1	<i>Project management</i> - JeanPaul DONNAY Corequisite : GEOG0238-1 - S.I.G.	B1	Q2	10	10	-	2
GEOG0042-2	<i>Geomorphic challenges in a changing world</i> (english language) - Matthias VANMAERCKE	B1	Q2	10	20	-	3
GEOG0025-1	<i>Introduction to research</i> - JeanPaul DONNAY	B2	Q1	10	10	-	2
SMEM0002-1	<i>Final thesis</i> - COLLÉGIALITÉ	B2	TA	-	-	-	21

Courses specific to the Study Path

GEOG0626-1	<i>Theory of Errors</i> - René WARNANT	B1	Q1	15	25	-	4
PHYS0209-2	<i>Numerical methods in physics</i> - Alejandro SILHANEK	B1	Q1	15	20	-	4
GEOG2037-1	<i>Map Projections</i> - JeanPaul DONNAY Corequisite : PHYS0209-2 - Méthodes numériques de la physique	B1	Q2	15	15	-	3
GEOG0037-1	<i>Global Navigation Satellite Systems</i> (english language) - René WARNANT Corequisite : GEOG0626-1 - Théorie des erreurs	B1	Q1	40	15	-	5
GEOG0234-1	<i>Photogrammetry</i> - Yves CORNET	B1	Q1	30	15	-	4
GEOG2038-1	<i>Roadway and Diverse Networks</i> - Roland BILLEN	B1	Q1	10	20	-	2
GEOG2039-1	<i>Advanced Topography</i> - Roland BILLEN - [2d FW] Corequisite : GEOG0626-1 - Théorie des erreurs	B1	Q2	10	25	[+]	4
GEOG0022-2	<i>Integrated Geomatics Project</i> - Roland BILLEN, JeanPaul DONNAY - [70h FW] Corequisite : GEOG0037-1 - Global Navigation Satellite Systems GEOG2039-1 - Topométrie avancée GEOG2038-1 - Voiries et réseaux divers (VRD) GEOG0234-1 - Photogrammétrie GEOG0238-1 - S.I.G.	B1	Q2	-	-	[+]	6
DROI8041-3	<i>Property law</i> - <i>Founding principles</i> - Pascale LECOCQ - <i>Practical case</i> - Pascale LECOCQ - Suppl : Ruxandra POPA	B1	Q2	32	-	-	5
GEOG0645-1	<i>Professional practices : the geometrist</i> - Roland BILLEN Corequisite : DROI8041-4 - Droit des biens	B1	Q2	20	10	-	3
GEOG0267-1	<i>Land Administration</i> - Roland BILLEN, JeanMarie HALLEUX - [1d FW] <i>Notice :</i> graduates of the Bachelor in Geography, general orientation, option geomatics and geometrology, who have already taken some of the courses, can choose other courses from ULg's curriculum, with the approval of the jury, for the same amount of credits.	B1	Q2	15	15	[+]	3
GEOG0631-2	<i>Seminars</i> - Roland BILLEN, COLLÉGIALITÉ, JeanPaul DONNAY - [20h	B2	Q1	-	-	[+]	4

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Notice : Collegiality = Geography team

GEOG0618-1 *Real estate markets* - JeanMarie HALLEUX B2 Q1 15 15 - 3

Focus courses (B2 : 30Cr)

Single focus (B2 : 30Cr)

Professional Focus (B2 : 30Cr)

SSTG0020-1 *Training* - Roland BILLEN, COLLÉGIALITÉ - [120h Internship] B2 TA - - [+] 8

Notice : Collegiality = Geomatics and Geometrology

In agreement with the jury, chose courses from the two lists below for a total of 22 credits, with at least 10 credits in the 'Geometry' list (B2 : 22Cr)

Surveyor

[...] including at least 10 ECTS from the list "Surveying"

GCIV0621-1 *Urban and environmental hydraulics* - Benjamin DEWALS B2 Q1 25 25 - 5

GCIV0620-1 *Introduction to geotechnics* - Robert CHARLIER - [1d FW] B2 Q1 30 20 [+] 5

GCIV0626-1 *Constructions : materials and pathologies* - Luc COURARD B2 Q1 40 10 - 5
(Odd years)

ARCH0077-1 *Constructions : buildings and pathologies* - JeanMarie HAUGLUSTAINE (Even years) B2 Q1 40 10 - 5

SPOL2209-3 *Environmental and land policies* - - Suppl : Sophie HANSON B1 Q1 30 - - 2

Corequisite :

GEOG2028-1 - Aménagement des territoires

Geomatics and computer science

[...] including maximum 12 ECTS from the list "Geomatics and computer science"

GEOG2044-1 *Spatial Analysis supplements* - JeanPaul DONNAY B2 Q2 15 20 - 4

GEOG2040-1 *GIScience* - Roland BILLEN, Pierre HALLOT B2 Q1 15 20 - 3

GEOG2041-1 *Teledetection supplements* - Yves CORNET B2 Q2 15 20 - 4

GEOG0038-1 *Advanced GNSS (english language)* - René WARNANT B2 Q1 20 - - 2

GEOG0041-2 *Web GIS : principles and applications* B2 TA 4
- Part A - JeanPaul DONNAY 15 15 -
- Part B - JeanPaul DONNAY - 5 -

GEOG2043-1 *Photogrammetry supplements* - Yves CORNET B2 Q1 15 20 - 4

INFO0010-6 *Introduction to computer networking, Part A (english language)* - Guy LEDUC - [8h Labo., 40h Proj.] B2 Q2 30 2 [+] 5

INFO0062-1 *Object-oriented programming (english language)* - Bernard BOIGELOT - [20h Proj.] B2 Q2 25 20 [+] 5

Additional ECTS Master in geography : geomatics and surveying

Optional courses (B0 : 60Cr)

Depending on the student's previous training and with the agreement of the jury, choose, if necessary, courses for a maximum of 60 credits among the following : (B0 : 60Cr)

MATH2014-1 *Mathematics supplements* B0 Q1 4

	- <i>Theory</i> - Françoise BASTIN	20	-	-		
	- <i>Practice</i> - Françoise BASTIN	-	20	-		
PHYS0903-2	<i>General Physics II</i> - Philippe GHOSEZ	B0	Q1	45	35	- 7
STAT0076-2	<i>General statistics</i>	B0	Q1			6
	- <i>Part A</i> - Catherine TIMMERMANS - Suppl : Stéphanie AERTS			30	20	-
	- <i>Part B</i> - Catherine TIMMERMANS - Suppl : Stéphanie AERTS			-	10	-
GEOG2018-1	<i>Geometric Geodesy and GNSS</i> - René WARNANT	B0	Q1	30	15	- 4
GEOG2027-1	<i>Geodetic Supplements</i> - René WARNANT	B0	Q2	20	10	- 3
GEOG0053-1	<i>Topography</i>	B0	Q1			6
	- <i>Part A</i> - Roland BILLEN			20	10	-
	- <i>Part B</i> - Roland BILLEN - [2d FW]			10	5	[+]
GEOG2026-1	<i>Planology and DAO</i> - Roland BILLEN	B0	Q1	5	15	- 2
GEOG0206-1	<i>Cartography (with an introduction to GIS)</i> - JeanPaul DONNAY	B0	Q1	30	40	- 6
GEOG0255-1	<i>Space analysis and S.I.G.</i> - JeanPaul DONNAY	B0	Q1	30	30	- 6
GEOG2017-1	<i>Introduction to remote sensing</i> - Yves CORNET	B0	Q1	15	27	- 3
GEOG2022-1	<i>Remote sensing, profound notions</i> - Yves CORNET	B0	Q2	15	20	- 3
INFO0201-1	<i>Introduction to computer programming</i> - Peter SCHLAGHECK	B0	Q2	20	40	- 5
INFO0009-2	<i>Database (general organisation)</i> - Pierre WOLPER - Suppl : Samuel HIARD - [25h Proj.]	B0	Q2	26	26	[+] 5