

First Year

Period 1

Compulsory courses

Hydraulics

HYDR0004-1	<i>Irrigation</i> - Dimitri XANTHOULIS	24	-	-	2
HYDR0007-2	<i>Fluid mechanics</i> - Charles DEBOUCHE	12	12	-	2
HYDR0006-2	<i>Modelling of transfers in soils, 1st part</i> - N... - Suppl : Aurore DEGRE	12	12	-	2

Soil

GERE0008-1	<i>Soil mechanics</i> - Robert CHARLIER	24	12	-	4
GEP0006-1	<i>Soil quality evaluation and management</i> - Gilles COLINET - [6h FT]	18	-	[+]	2

Period 2

Compulsory courses

Project

GERE0015-1	<i>Thematic Project</i> - COLLÉGIALITÉ	-	-	-	6
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Information technology

ENVT2048-1	<i>Introduction to geomatics</i> - Philippe LEJEUNE	8	16	-	2
GERE0006-2	<i>Environmental metrology</i> - Marie-France DESTAIN	26	10	-	4

Optional courses

Choose one module from :

Machines 1

GERE0005-1	<i>Computer aided design</i> - Marie-France DESTAIN - [3h FT]	6	27	[+]	3
GERE0004-1	<i>Mechanical engineering design</i> - Marie-France DESTAIN - [3h FT]	23	10	[+]	3

Data analysis tools and methods

ENVT2050-1	<i>Applied remote sensing</i> - Philippe LEJEUNE	12	12	-	2
ENVT2051-1	<i>Applied geomatics</i> - Philippe LEJEUNE	8	16	-	2
STAT1213-1	<i>Elements of multivariate statistical methods</i> - Rodolphe PALM	12	12	-	2

Period 3

Optional courses

Choose one group of modules from "Elements of rural engineering + Construction engineering 1" or "Soil composition and environmental quality" (module 1 + 2) :

Elements of rural and construction engineering

Elements of rural engineering

HYDR0010-1	<i>Open channel hydraulics</i> - Charles DEBOUCHE	10	14	-	2
GERE0007-1	<i>Digital electronics, first part</i> - Bernard HEINESCH	6	18	-	2
PHYS3010-1	<i>Introduction to Bioclimatology</i> - Marc AUBINET	18	6	-	2

Construction engineering 1

GERE0011-2	<i>Building physics and special techniques, 1st part</i> - Frédéric LEBEAU	24	12	-	3
GERE0003-2	<i>Theory of structural calculations, 1st part</i> - Pierre LATTEUR	36	-	-	3

Soil composition and environmental quality

Module 1

CHIM9249-1	<i>Microbial ecology of soil and water</i> - Marc CULOT - Suppl : Thierry FIEVEZ	18	6	-	2
GEP0003-1	<i>Pedogenesis and international system of reference</i> - Laurent BOCK	24	-	-	2
GEP0007-2	<i>Soil components and the environment, 1st part</i> - Jean Marie MARCOEN - [4h AUTR]	24	8	[+]	2

Module 2

GEOP0007-3	<i>Soil components and the environment, 2nd part</i> - Jean Marie MARCOEN	18	6	-	3
HYDR0005-2	<i>Hydrogeology and groundwater management</i> - Jean Marie MARCOEN - [4h SEM, 8h FT, 4h AUTR]	14	6	[+]	3

Period 4

Compulsory courses

MANA0001-1	<i>Human resources and industrial relations management</i> - André TOUSSAINT - [8h AUTR]	-	-	[+]	2
RSTG0003-1	<i>Placement</i> - N...	-	-	-	4

Period 5

Compulsory courses

[...]	One optional course of the University of Liege from the courses of the 1st Master taught in the same period.				
PHYS3009-1	<i>Exchange Models in biosystems</i> - Marc AUBINET	16	8	-	2
HYDR0006-3	<i>Modelling of transfers in soils, 2nd part</i> - N... - Suppl : Aurore DEGRE	12	12	-	2

Optional courses

Choose one module from :

Construction engineering 2

ENVT3010-1	<i>Surveying (complement)</i> - Charles DEBOUCHE	8	16	-	2
HYDR0008-1	<i>Hydraulic pump and network</i> - Charles DEBOUCHE	10	14	-	2
GERE0003-3	<i>Theory of structural calculations, 2nd part</i> - Pierre LATTEUR	10	14	-	2

Applied pedology

FORE0008-1	<i>Site analysis and valuation</i> - Hugues CLAESSENS	20	16	-	3
GEOP0005-1	<i>Applied regional geomorphopedology</i> - Laurent BOCK - [18h FT]	6	-	[+]	3

List of option courses

ALIM0001-1	<i>Food hygiene</i> - Marc CULOT, Daniel PORTETELLE - Suppl : Daniel PORTETELLE, Marianne SINDIC	18	6	-	2
ANIM0003-1	<i>Immunology, immunochemistry</i> - Daniel PORTETELLE	12	12	-	2
ANIM0004-1	<i>Microbial biochemistry and physiology</i> - Daniel PORTETELLE	14	10	-	2
AGRO0007-1	<i>Practical aspects of agriculture in temperate regions</i> - Bernard BODSON - [18h FT]	6	-	[+]	2
HORT0002-1	<i>Horticulture production systems</i> - Monique BODSON - [9h FT]	15	-	[+]	2
VEGE0018-1	<i>Special crop protection, malherbology</i> - Bernard BODSON - [4h SEM, 4h FT]	16	-	[+]	2
GBLX0003-1	<i>Biosafety and Ethics of Biotechnology</i> - Patrick DU JARDIN - [18h SEM]	6	-	[+]	2
VEGE0004-1	<i>Molecular Plant Biotechnology</i> - Patrick DU JARDIN - [4h SEM]	20	-	[+]	2
VEGE0009-1	<i>Plant biotechnology : practical courses</i> - Marie-Laure FAUCONNIER	-	24	-	2
AGRO0011-1	<i>Pedology of tropical and subtropical environments</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
AGRO0004-1	<i>Agro-pastoralism and forage productions, part 1</i> - Jérôme BINDELLE	24	-	-	2
AGRO0004-2	<i>Agro-pastoralism and forage productions, part 2</i> - Jérôme BINDELLE - [8h FT]	8	8	[+]	2
FORE0008-1	<i>Site analysis and valuation</i> - Hugues CLAESSENS	20	16	-	3
FORE0025-1	<i>Forestry expertise</i> - - Suppl : Hugues CLAESSENS	36	-	-	3
FORE0018-1	<i>Management of large fauna in temperate climate</i> - Cédric VERMEULEN - [10h SEM]	14	-	[+]	2
PAYS0001-1	<i>Integrated management of landscape</i> - Jan BOGAERT, Grégory MAHY	-	-	-	2
FORE0003-1	<i>Participatory management of natural environments</i> - Cédric VERMEULEN - [20h SEM]	4	-	[+]	2
BIAA0003-3	<i>Food and agro-food engineering, 3rd part</i> - François BERA	2	22	-	2
ALIM0008-1	<i>Technology of food industries</i> - Sabine DANTHINE - [4h FT]	24	20	[+]	4
ALIM0001-1	<i>Food hygiene</i> - Marc CULOT, Daniel PORTETELLE - Suppl : Daniel PORTETELLE, Marianne SINDIC	18	6	-	2
ANIM0003-1	<i>Immunology, immunochemistry</i> - Daniel PORTETELLE	12	12	-	2
ANIM0004-1	<i>Microbial biochemistry and physiology</i> - Daniel PORTETELLE	14	10	-	2

Second Year

Optional courses

Follow-up to the option chosen in first year :

Environmental management and regional planning

BIOD0004-1	<i>Ecology applied to open communities</i> - Grégory MAHY - [12h FT]	12	-	[+]	2
DROI0969-1	<i>Forestry law</i> - Grégoire ORBAN DE XIVRY	24	-	-	2
DROI0970-1	<i>Law of physical planning</i> - Mustafa BOLCA	24	-	-	2
ENVT2049-1	<i>Introduction to environmental assessment</i> - Charles DEBOUCHE	24	-	-	2
ENVT2051-1	<i>Applied geomatics</i> - Philippe LEJEUNE	8	16	-	2
ENVT2052-1	<i>The environmental effects of projects and plans</i> - Jan BOGAERT - [6h SEM]	18	-	[+]	2
ENVT2053-1	<i>Waste management</i> - Luc MINNE - [3h FT]	21	-	[+]	2
FORE0014-1	<i>Tropical agroforestry</i> - Jean-Louis DOUCET	24	-	-	2
GEAT0003-1	<i>Land-use policy in rural areas</i> - Claude FELTZ - [12h SEM]	12	-	[+]	2
GEAT0004-1	<i>Seminar in town and country planning</i> - Claude FELTZ - [60h SEM]	-	-	[+]	5
LANG0907-1	<i>English language : scientific communication</i> - Sophie DEPOTERRE, Marie-Anne DUFFELER	36	-	-	3
PROJ0002-2	<i>Interdisciplinary project, 2nd part</i> - COLLÉGIALITÉ - [84h SEM]	-	-	[+]	7
RTFE0002-1	<i>Final dissertation</i> - N...	-	-	-	27

Rural and environmental engineering

CHIM9248-1	<i>Basic principles of wastewater treatments</i> - Marc CULOT - Suppl : Frank DELVIGNE	24	-	-	2
ENVT2049-1	<i>Introduction to environmental assessment</i> - Charles DEBOUCHE	24	-	-	2
ENVT2053-1	<i>Waste management</i> - Luc MINNE - [3h FT]	21	-	[+]	2
ENVT2054-1	<i>Renewable energies</i> - Yves SCHENKEL - [4h FT]	20	-	[+]	2
GERE0011-4	<i>Building physics and special techniques</i> - Frédéric LEBEAU - [12h SEM, 12h FT]	24	12	[+]	5
GERE0012-1	<i>Automatics and robotics in agriculture</i> - Marie-France DESTAIN - [3h FT]	16	17	[+]	3
HYDR0009-1	<i>Hydraulic engineering and environmental aspects</i> - N... - Suppl : Aurore DEGRE	15	45	-	5
HYDR0010-1	<i>Open channel hydraulics</i> - Charles DEBOUCHE	10	14	-	2
LANG0907-1	<i>English language : scientific communication</i> - Sophie DEPOTERRE, Marie-Anne DUFFELER	36	-	-	3
PROJ0002-2	<i>Interdisciplinary project, 2nd part</i> - COLLÉGIALITÉ - [84h SEM]	-	-	[+]	7
RTFE0002-1	<i>Final dissertation</i> - N...	-	-	-	27