

## First Year

Period 1

### Compulsory courses

#### Corporate and projects management

GEST3028-1	<i>Accounting and management</i> - Philippe LEBAILLY	48	-	-	4
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	2

### Optional courses

Choose one module from :

#### Animal production in temperate areas

ANIM0006-1	<i>Animal production in temperate areas, the ruminants</i> - Yves BECKERS - [8h FT]	28	12	[+]	4
ANIM0006-2	<i>Animal production in temperate areas, simple stomach animals and poultry</i> - André THEWIS - [8h FT]	16	-	[+]	2

#### Crop husbandry

AGRO0003-3	<i>Crop production in temperate regions, part 1</i> - Bernard BODSON	24	-	-	2
HORT0001-1	<i>Principles of horticultural science</i> - Monique BODSON	24	-	-	2
AGRO0008-2	<i>General tropical crop husbandry</i> - Guy MERGEAI - [3h SEM]	21	-	[+]	2

Period 2

### Optional courses

Choose 3 modules from :

#### Production and plant improvement

AGRO0015-1	<i>Basis of agroecology in tropical areas</i> - Guy MERGEAI - [2h SEM]	22	-	[+]	2
AGRO0006-1	<i>Malherbology and weeds control</i> - Bernard BODSON	21	3	-	2
VEGE0005-1	<i>General plant breeding</i> - Jean-Pierre BAUDOIN - [6h SEM]	18	-	[+]	2

#### Crop protection

VEGE0001-1	<i>Plant protection products bases</i> - Bruno SCHIFFERS	24	-	-	2
VEGE0002-1	<i>Applied zoology</i> - Eric HAUBRUGE - Suppl : Frédéric FRANCIS - [9h SEM]	15	-	[+]	2
VEGE0007-1	<i>Bases of phytopathology</i> - Philippe LEPOIVRE - [8h SEM]	12	4	[+]	2

#### Animal and food assessments

ALIM0003-1	<i>Feedstuffs</i> - Yves BECKERS - [4h FT]	20	12	[+]	3
ANIM0001-1	<i>Quantitative genetics</i> - Nicolas GENGLER - [1h SEM, 2h FT]	18	15	[+]	3

#### Physiology and animal biochemistry

ANIM0005-1	<i>Biochemistry of the metabolisms in the domestic animals</i> - Robert RENAUVILLE	24	-	-	2
ANIM0010-1	<i>Physiology of the domestic animals</i> - Robert RENAUVILLE	24	-	-	2
BIOL2024-1	<i>Applied molecular biology</i> - Franck DEQUIEDT	24	-	-	2

#### Economy and rural sociology

GEST3021-1	<i>Farm Business Management</i> - Thomas DOGOT	-	24	-	2
ECON2245-1	<i>Agricultural economics</i> - Philippe BURNY	12	12	-	2
SOCI2234-1	<i>General and rural sociology</i> - Daniel BODSON	24	-	-	2

#### Physiology and plant biochemistry

BIOL2023-1	<i>Bio-informatics, Methods for the analysis of genomic sequences</i> - Laurence LINS	24	-	-	2
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HORT0004-1	<i>Physiology of plant reproduction and propagation</i> - Monique BODSON	24	-	-	2
VEGE0008-1	<i>Applied Plant Physiology and Biochemistry</i> - Patrick DU JARDIN - [6h SEM]	18	-	[+]	2

Period 3

### Optional courses

Choose two modules from :

#### Technology of plant production

GEOP0004-1	<i>Geomorphopedological identification</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
GERE0002-1	<i>Agricultural equipment</i> - Marie-France DESTAIN - [3h FT]	21	-	[+]	2
VEGE0011-1	<i>Application techniques for products to treat crops</i> - Bernard BODSON, Marie-France DESTAIN, Bruno SCHIFFERS - [3h FT]	21	-	[+]	2

#### European and international policies

ECON2247-1	<i>Agricultural policy</i> - Philippe BURNY - [6h SEM]	12	6	[+]	2
ECON2250-1	<i>International economics</i> - Philippe LEBAILLY	24	-	-	2
GEST3019-1	<i>Food Policy and Strategy</i> - Philippe LEBAILLY	24	-	-	2

#### Agronomy and production systems

AGRO0003-4	<i>Crop production in temperate regions, part 2</i> - Bernard BODSON - [12h FT]	36	-	[+]	4
DROI0967-1	<i>Rural law</i> - Gaëtan GOISSE	24	-	-	2

#### Technology of horticultural productions

HORT0003-1	<i>Managing tree growth and development : principles of arboriculture</i> - Monique BODSON	18	6	-	2
HORT0007-1	<i>Post harvest physiology</i> - Monique BODSON	24	-	-	2
VEGE0006-1	<i>Integrated control of plant pathogens</i> - Philippe LEPOIVRE - [5h SEM, 4h FT]	10	5	[+]	2

#### Futher animal production

ANIM0007-1	<i>Animal production systems in tropical regions, part 1</i> - Jérôme BINDELLE	42	6	-	4
ANIM0002-1	<i>Animal Breeding</i> - Nicolas GENGLER - [3h SEM, 4h FT]	10	7	[+]	2

#### Animal sciences

ANIM0011-1	<i>Animal welfare and ethics in production and experimentation</i> - Daniel PORTETELLE, André THEWIS	12	12	-	2
ANIM0012-1	<i>Animal pathology and hygiene</i> - Thierry VAN DEN BERG	24	-	-	2
[...]	One optional course of the University of Liege from the courses of the 1st Master taught in the same period.				

Period 4

### Compulsory courses

#### Placement

MANA0001-1	<i>Human resources and industrial relations management</i> - André TOUSSAINT - [8h AUTR]	-	-	[+]	2
RSTG0001-1	<i>Training</i> - N...	-	-	-	4

Period 5

Choose two modules from :

#### Physiology and applied biochemistry 2

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

#### Agronomy and production systems 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

### Plant biotechnology

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

### Fodder production

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

### List of optional courses

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
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
CHIM9249-1	<i>Microbial ecology of soil and water</i> - Marc CULOT - Suppl : Thierry FIEVEZ	18	6	-	2
GEOP0003-1	<i>Pedogenesis and international system of reference</i> - Laurent BOCK	24	-	-	2
GEOP0007-2	<i>Soil components and the environment, 1st part</i> - Jean Marie MARCOEN - [4h AUTR]	24	8	[+]	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
DROI0969-1	<i>Forestry law</i> - Grégoire ORBAN DE XIVRY	24	-	-	2
ECON2255-2	<i>Forest and natural resources economics</i> - - Suppl : Jacques RONDEUX - [2h SEM]	12	10	[+]	2
FORE0012-1	<i>Forest products supply chain</i> - Jacques HEBERT - [4h SEM]	12	8	[+]	2
FORE0009-1	<i>Sustainable management of tropical forests</i> - Jean-Louis DOUCET	36	-	-	3
FORE0005-1	<i>Multifunctional management of forests</i> - - Suppl : Philippe LEJEUNE - [6h FT]	28	14	[+]	3
GERE0007-2	(pas organisé en 2010-2011) <i>Digital electronics, second part</i> - Bernard HEINESCH	6	18	-	2
BIOI0002-1	<i>Fermentation and extraction factories, 1st part</i> - Philippe THONART	24	24	-	4
CHIM9245-1	<i>Chromatographic analysis</i> - Georges LOGNAY - [6h SEM]	18	-	[+]	2
CHIM9254-1	<i>Practice chemistry of natural compounds</i> - Jean-Paul WATHELET	4	44	-	4

## Second Year

### Optional courses

#### Follow-up to the option chosen in the 1st year

#### Sciences and livestock productions

ALIM0009-1	<i>Dairy science</i> - Marianne SINDIC - [3h FT]	12	9	[+]	2
ANIM0007-1	<i>Animal production systems in tropical regions, part 1</i> - Jérôme BINDELLE	42	6	-	4
ANIM0008-1	<i>Animal cell culture</i> - Daniel PORTETELLE - [4h FT]	12	8	[+]	2
ANIM0009-1	<i>Immunobiology</i> - Daniel PORTETELLE	10	14	-	2
ANIM0010-1	<i>Physiology of the domestic animals</i> - Robert RENAVILLE	24	-	-	2
ANIM0011-1	<i>Animal welfare and ethics in production and experimentation</i> - Daniel PORTETELLE, André THEWIS	12	12	-	2
ANIM0012-1	<i>Animal pathology and hygiene</i> - Thierry VAN DEN BERG	24	-	-	2
ANIM0007-2	<i>Animal production systems in tropical regions, part 2</i> - Jérôme BINDELLE - [12h SEM]	-	-	[+]	1
CHIM9252-1	<i>Applications of analytical chemistry</i> - Georges LOGNAY	4	20	-	2
GERE0014-1	<i>Design of agro-industrial infrastructures and environmental incidences</i> - Joseph FLABA - [6h FT]	18	-	[+]	2
GEST3015-1	<i>Quality management</i> - Marianne SINDIC - [6h SEM]	18	-	[+]	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

### Tropical agronomy

AGRO0008-3	<i>General tropical crop husbandry</i> - Jean-Pierre BAUDOIN - [6h SEM]	36	-	[+]	3
AGRO0011-1	<i>Pedology of tropical and subtropical environments</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
AGRO0012-1	<i>Special tropical crop husbandry, first part</i> - Jean-Pierre BAUDOIN - [12h SEM]	36	-	[+]	4
AGRO0012-2	<i>Special tropical crop husbandry, second part</i> - Jean-Pierre BAUDOIN - [12h SEM]	12	-	[+]	2
ANIM0007-1	<i>Animal production systems in tropical regions, part 1</i> - Jérôme BINDELLE	42	6	-	4
ANIM0012-1	<i>Animal pathology and hygiene</i> - Thierry VAN DEN BERG	24	-	-	2
ECON2254-1	<i>Tropicals markets</i> - Baudouin MICHEL	12	12	-	2
FORE0014-1	<i>Tropical agroforestry</i> - Jean-Louis DOUCET	24	-	-	2
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	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

### Biotechnology and horticulture

AGRO0005-2	<i>Basis of tropical agriculture, second part</i> - Guy MERGEAI	12	-	-	1
GEOP0004-1	<i>Geomorphopedological identification</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
HORT0005-1	<i>Horticulture production systems : advanced analysis</i> - Monique BODSON - [12h SEM, 16h FT]	12	8	[+]	4
HORT0006-1	<i>Horticultural Systematic</i> - Monique BODSON - [4h SEM]	10	10	[+]	2
HORT0007-1	<i>Post harvest physiology</i> - Monique BODSON	24	-	-	2
HORT0008-1	<i>Decision - making in crop protection, part : phytopathology</i> - Philippe LEPOIVRE - [19h SEM]	5	-	[+]	2
HORT0009-1	<i>Horticultural production method and equipment</i> - Hugo MAGEIN - [3h FT]	21	-	[+]	2
HORT0010-1	<i>Horticulture and environmental requirements</i> - Monique BODSON - [12h SEM]	12	-	[+]	2
HORT0011-1	<i>Analysis of the network of operators in the horticulture industry</i> - Monique BODSON - [8h FT]	12	4	[+]	2
HORT0012-1	<i>Marketing of horticultural products</i> - André TOUSSAINT - [6h SEM]	18	-	[+]	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
VEGE0011-1	<i>Application techniques for products to treat crops</i> - Bernard BODSON, Marie-France DESTAIN, Bruno SCHIFFERS - [3h FT]	21	-	[+]	2

### Biotechnology and crop protection

AGRO0005-2	<i>Basis of tropical agriculture, second part</i> - Guy MERGEAI	12	-	-	1
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
VEGE0010-1	<i>Safe and effective use of pesticides and residues control</i> - Bruno SCHIFFERS	14	10	-	2
VEGE0011-1	<i>Application techniques for products to treat crops</i> - Bernard BODSON, Marie-France DESTAIN, Bruno SCHIFFERS - [3h FT]	21	-	[+]	2
VEGE0012-1	<i>Pesticide formulation and packaging</i> - Bruno SCHIFFERS - [3h SEM, 6h FT]	15	-	[+]	2
VEGE0013-1	<i>European regulation and ecotoxicology</i> - Thierry NUYTEN	24	-	-	2
VEGE0014-1	<i>Integrated pest management</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN - [24h SEM]	-	-	[+]	2
VEGE0015-1	<i>Applied Entomology</i> - Eric HAUBRUGE	12	12	-	2
VEGE0016-1	<i>Integrated control of plant pathogens</i> - Haissam JIJAKLI - [6h SEM]	18	-	[+]	2
VEGE0017-1	<i>Applied phytopathology</i> - Philippe LEPOIVRE	4	20	-	2
VEGE0018-1	<i>Special crop protection, malherbology</i> - Bernard BODSON - [4h SEM, 4h FT]	16	-	[+]	2
VEGE0018-2	<i>Special crop protection, zoology</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	24	-	-	2
VEGE0018-3	<i>Special crop protection, phytopathology</i> - Philippe LEPOIVRE - [10h SEM, 14h FT]	-	-	[+]	2

### General agronomy

AGRO0009-1	<i>Modelling of crop development</i> - Bernard BODSON	24	-	-	2
AGRO0010-1	<i>Plant production and agrarian systems</i> - Bernard BODSON - [12h SEM, 12h FT]	24	-	[+]	4
ANIM0012-1	<i>Animal pathology and hygiene</i> - Thierry VAN DEN BERG	24	-	-	2
DROI0967-1	<i>Rural law</i> - Gaëtan GOISSE	24	-	-	2
ECON2245-1	<i>Agricultural economics</i> - Philippe BURNY	12	12	-	2
ECON2248-1	<i>Environmental economy</i> - Philippe LEBAILLY	24	-	-	2
ECON2251-2	<i>Food and agro-industrial Chain Economy</i> - Brigitte DUQUESNE, Philippe LEBAILLY -	-	-	-	2
ECON2252-1	<i>Marketing and consumer market research</i> - Jean-Michel RONSSSE	36	-	-	3
GEST3015-1	<i>Quality management</i> - Marianne SINDIC - [6h SEM]	18	-	[+]	2
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	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

### Economy and development

AGRO0008-3	<i>General tropical crop husbandry</i> - Jean-Pierre BAUDOIN - [6h SEM]	36	-	[+]	3
ANIM0007-1	<i>Animal production systems in tropical regions, part 1</i> - Jérôme BINDELLE	42	6	-	4
DROI0967-1	<i>Rural law</i> - Gaëtan GOISSE	24	-	-	2
ECON2245-1	<i>Agricultural economics</i> - Philippe BURNY	12	12	-	2
ECON2246-1	<i>Economics of developing countries</i> - Baudouin MICHEL - [16h SEM]	8	-	[+]	2
ECON2248-1	<i>Environmental economy</i> - Philippe LEBAILLY	24	-	-	2
ECON2253-1	<i>Economics of development Seminar</i> - Philippe LEBAILLY - [24h SEM]	-	-	[+]	2
ECON2254-1	<i>Tropicals markets</i> - Baudouin MICHEL	12	12	-	2
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	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
SOCI2234-1	<i>General and rural sociology</i> - Daniel BODSON	24	-	-	2