

Two-year master program

First Year

First semester

Teaching Period One and Two

Compulsory courses

AGRO1.11 Rural economics and European and international policy.

ECON0942-1 *Rural economics and farm business management* - Philippe BURNY, Thomas DOGOT, Philippe LEBAILLY - [8h FT] Q1 32 20 [+] 4

GEST3019-2 *Food Policy and Strategy* - Philippe BURNY, Thomas DOGOT, Philippe LEBAILLY - [4h FT] Q1 24 8 [+] 3

STAT1213-1 *Multivariate statistical analysis* - Yves BROSTAUX Q1 12 12 - 2

AGRO1.12 General crop husbandry

VEGE0023-1 *Foundations of managing and controlling bio-agressors* - Frédéric FRANCIS, Eric HAUBRUGE, Philippe LEPOIVRE, Bruno SCHIFFERS - [6h FT] Q1 54 - [+] 4

VEGE0024-1 *General plant science* - Bernard BODSON, Guy MERGEAI - [6h FT] Q1 48 6 [+] 5

AGRO1.13 Dairy production by ruminants

ANIM0014-1 *Physiology of reproduction and lactation* - Robert RENAUVILLE - [2h FT] Q1 22 - [+] 2

ANIM0015-1 *Dairy animal production science* - Yves BECKERS, Jérôme BINDELLE, Nicolas GENGLER - [8h FT] Q1 64 - [+] 5

ANIM0016-1 *Milk technology* - Marianne SINDIC - [2h FT] Q1 22 - [+] 2

Second semester

Period 3

Optional courses

Choose one module from :

AGRO1.31 Animal sciences

ANIM0012-1 *Animal pathology and hygiene* - Thierry VAN DEN BERG 24 - - 2

ANIM0011-3 *Welfare and ethics in animal productions* - Nadia EVERAERT, Daniel PORTETELLE - [4h FT] Q2 12 8 [+] 2

ANIM0005-1 *Biochemistry of the metabolisms in the domestic animals* - Robert RENAUVILLE Q2 24 - - 2

AGRO1.32 Economics of development

ECON2246-2 *Economics of developing countries* - Baudouin MICHEL - [16h SEM] Q2 8 - [+] 2

ECON2254-2 *Tropicals markets* - Baudouin MICHEL Q2 12 12 - 2

ECON2253-2 *Economics of development Seminar* - Thomas DOGOT, Philippe LEBAILLY - [24h SEM] Q2 - - [+] 2

AGRO1.33 Tropical agroecology

VEGE0036-1 *Tropical agroecology* - Guy MERGEAI - [12h SEM, 18h FT] Q2 18 24 [+] 6

Choose one module from :

AGRO1.34 Meat and eggs

ANIM0017-1 *Meat and eggs* - Yves BECKERS, Jérôme BINDELLE, Nadia EVERAERT, Nicolas GENGLER, Robert RENAUVILLE - [8h FT] Q2 64 - [+] 6

AGRO1.35 Agricultural policy, sociology and rural legislation

SOCI2234-1 *General and rural sociology* - Daniel BODSON 24 - - 2

ECON2247-1 *Agricultural policy* - Philippe BURNY - [6h SEM] Q2 12 6 [+] 2

DROI0967-1 *Rural law* - Gaëtan GOISSE 24 - - 2

AGRO1.36 Physiology, plant breeding and multiplication of cultivated plants

VEGE0026-1 *Physiology, plant breeding and multiplication of cultivated plants* 6

- *Physiology* - Pierre DELAPLACE, Patrick DU JARDIN 12 6 -

- *Plant breeding* - Hervé VANDERSCHUREN 12 6 -

- *Diversity of plant genetic resources* - Hervé VANDERSCHUREN - [8h FT] 8 2 [+]

- *Multiplication of cultivated plants* - Hervé VANDERSCHUREN - Suppl : 10 6 [+]

André TOUSSAINT - [2h FT]

Period 4

Compulsory courses

AGRO1.41 Internship

MANA0004-1 *Portfolio (Master 1)* - Philippe LEPOIVRE TA - - - 2

RSTG0001-1 *Internship and professional relations* - Philippe LEPOIVRE Q2 - - - 3

Period 5

Optional courses

Choose one module from :

AGRO1.51 Microbial biochemistry and immunology

ANIM0003-1 *Immunology and immunochemistry* - Daniel PORTETELLE Q2 12 12 - 2

ANIM0004-4 *Microbial biochemistry and physiology* - Micheline VANDENBOL Q2 10 12 - 2

ALIM0001-1 *Food hygiene* - Daniel PORTETELLE, Marianne SINDIC Q2 18 6 - 2

AGRO1.52 Economic Decision Support

GBLX0057-2 *Mathematical methods in decision making* - Catherine CHARLES Q2 12 12 - 2

GEST3022-2 *Operations research for economics* - Thomas DOGOT Q2 16 8 - 2

STAT1218-1 *Statistical methods for economics* - Yves BROSTAUX Q2 12 12 - 2

AGRO1.53 Plant production in temperate areas

VEGE0027-1 *Plant production in temperate areas* Q2 6

- *Plant science of various species involved in large scale cultivation and animal fodder production in temperate regions* - Bernard BODSON 20 4 -

- *Implementing technical arrangements under real conditions* - Bernard BODSON - [8h FT] - 16 [+]

- *Evaluating and optimising production systems* - Bernard BODSON - [8h FT] 10 6 [+]

Choose one module from :

AGRO1.54 Bromatology and the cultivation of animal fodder

ANIM0018-1 *Bromatology and the cultivation of animal fodder* - Yves BECKERS, Jérôme BINDELLE - [8h FT] Q2 48 16 [+]

AGRO1.55 Integrated management of self-propagating plants and bio-agressors

VEGE0028-1 *Integrated management of self-propagating plants and bio-agressors* - Bernard BODSON, Frédéric FRANCIS, Eric HAUBRUGE, Haïssam JIJAKLI, Sébastien MASSART, Bruno SCHIFFERS - [6h FT] Q2 48 18 [+]

All year round

Period 6

Compulsory course

AGRO1.61 English

LANG2952-1 *Practice of specialized English for agricultural sciences : part 1* - Yves BECKERS, Jérôme BINDELLE, Philippe BURNY, Sophie DEPOTERRE, Thomas DOGOT, Frédéric FRANCIS, Nicolas GENGLER, Philippe LEBAILLY, TA - - [+]

Second year

First semester

Optional courses

Choose one option from the following :

"Agronomical sciences" courses programme (in GxABT)

AGRO2.10 Group project

AGRO0020-1	<i>Group project</i> - Yves BECKERS, COLLÉGIALITÉ	Q1	-	-	-	4
GEST3020-1	<i>Conceiving and economic assessment of project : food crop and agroforestry</i> - Baudouin MICHEL - [12h SEM]	Q1	12	-	[+]	2

Period 1

Choose one module from :

AGRO2.11 Market and supply analysis

ECON2251-3	<i>Food and agro-industrial Chain Economy</i> - Philippe LEBAILLY	Q1	24	-	-	2
ECON2252-2	<i>Marketing and consumer market research</i> - JeanPascal ROBIÉFROID	Q1	24	-	-	2
GBLX0056-1	<i>Complement of marketing and consumer market research</i> - JeanPascal ROBIÉFROID	Q1	24	-	-	2

AGRO2.12 Soil-less horticulture and plant productions

VEGE0035-1	<i>Soil-less horticulture and plant productions</i> - Pierre DELAPLACE, Haïssam JIAKLI, Hugo MAGEIN, Christine MOUREAUX, Bruno SCHIFFERS, André TOUSSAINT	Q1	48	24	-	6
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AGRO2.13 Complements of animal engineering

ANIM0019-1	<i>Food formulations</i> - Yves BECKERS	Q1	12	36	-	4
ANIM0020-1	<i>Numerical genetics, genomics and modeling</i> - Nicolas GENGLER	Q1	12	12	-	2

Choose one module from :

AGRO2.14 Plant biotechnology

VEGE0032-1	<i>Plant biotechnology</i>					6
	- <i>Molecular plant biotechnology</i> - Pierre DELAPLACE, Patrick DU JARDIN	12	6	-		
	- <i>Exercise of plant biotechnology</i> - Pierre DELAPLACE	-	18	-		
	- <i>Biotechnology applied to pest prevention</i> - Frédéric FRANCIS	9	9	-		
	- <i>Biotechnology applied to phytopathology</i> - Haïssam JIAKLI	10	8	-		

AGRO2.15 Human nutrition and quality control

GEST3015-1	<i>Quality management</i> - Marianne SINDIC - [6h SEM]	Q1	18	-	[+]	2
ALIM0010-3	<i>Food, human nutrition and dietetics (english language)</i> - Nadia EVERAERT	Q1	20	4	-	2
ANIM0009-4	<i>Immunobiology</i> - Daniel PORTETELLE - [14h AUTR]	Q1	10	-	[+]	2

Period 2

Choose one module from :

AGRO2.21 Applied economic analysis

ECON2249-3	<i>Economic models</i> - Matthieu DELPIERRE	Q1	12	12	-	2
ECON2250-1	<i>International economics</i> - Philippe LEBAILLY	Q1	24	-	-	2
ECON2248-1	<i>Environmental economy</i> - Kevin MARÉCHAL	Q1	24	-	-	2

AGRO2.22 Alternative methods of controlling weeds and bio-agressors

VEGE0033-1	<i>Alternative methods of controlling weeds and bio-agressors</i>	Q1				6
	- <i>Alternative methods</i> - Haissam JIAKLI	12	4	-		
	- <i>Biological control of insect pests</i> - Eric HAUBRUGE, François VERHEGGEN	12	13	-		
	- <i>Weeds control</i> - Bernard BODSON	12	4	-		
	- <i>Biopesticides</i> - Bruno SCHIFFERS	7	-	-		
	- <i>Seminar</i> - COLLÉGIALITÉ - [8h SEM]	-	-		[+]	

AGRO2.23 Animal biotechnology

ANIM0008-1	<i>Animal cell culture</i> - Daniel PORTETELLE - [4h FT]	Q1	12	8	[+]	2
BIOL2024-3	<i>Applied molecular biology</i> - Luc WILLEMS	Q1	-	36	-	3
ANIM0010-2	<i>Physiology of the domestic animals</i> - Robert RENAUVILLE	Q1	12	-	-	1

Choose one module from :

AGRO2.24 Applied rural socioeconomics

ECON2273-1	<i>Applied rural socioeconomics</i> - Yves BROSTAUX, Thomas DOGOT, Philippe LEBAILLY	Q1	72	-	-	6
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AGRO2.25 Chemical, biological and environmental risks related to plant productions

VEGE0034-1	<i>Chemical, biological and environmental risks related to plant productions</i> - Bernard BODSON, Patrick DU JARDIN, Bruno SCHIFFERS, François VERHEGGEN	Q1	30	42	-	6
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AGRO2.26 Livestock farming and the environment

ANIM0021-1	<i>Breeding and environment</i>	Q1				6
	- <i>Alternative breeding system</i> - Yves BECKERS - [23h AUTR]	1	-	[+]		
	- <i>Animal biodiversity</i> - Nicolas GENGLER	24	-	-		
	- <i>Modeling of the relation between breeding systems and the environment</i> - Jérôme BINDELLE	24	-	-		

Management courses programme (in HEC-ULg)

GEST3001-1	<i>People management and organisation</i> - Jocelyne ROBERT	Q1	24	24	-	4
GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	Q1	24	-	-	2
GEST3003-1	<i>Competitive strategy in the marketplace</i> (english language) - Michael GHILISSEN	Q1	16	16	-	3
GEST3004-1	<i>Marketing (operations and management)</i> (english language) - Michael GHILISSEN	Q1	16	16	-	3
GEST3005-2	<i>Accountancy and Finance</i> - Jacques BERWART		24	24	-	4
GEST3006-1	<i>Operations and supply chain management I</i> (english language) - Yasemin ARDA	Q1	16	16	-	3
GSTG3001-1	<i>Business plan</i> - COLLÉGIALITÉ		-	30	-	4
GSTG3002-1	<i>Functional analysis of a company</i> - COLLÉGIALITÉ - [30h Internship]		-	-	[+]	4

Choose one of the following courses :

GEST3010-1	<i>Operations and supply chain management II</i> - Sabine LIMBOURG	Q1	16	16	-	3
GEST3011-2	<i>ICT for Business</i> - Alain DUBOIS	Q1	16	16	-	3
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	Q1	16	16	-	3
GEST3045-1	<i>Project management</i> (english language) - Etienne DALOZE		30	-	-	5

Second semester

Compulsory courses

Period 3

AGRO2.31 Final dissertation

RTFE0002-1	<i>Final dissertation (bioengineering)</i> - N...		-	-	-	24
MANA0005-1	<i>Portfolio (MA2)</i> - Philippe LEPOIVRE	TA	-	-	-	2

All year round

Period 6

Compulsory course

LANG2953-1 *Practice of specialized English for agricultural sciences : part 2 -* TA - 12 [+] **4**
Sophie DEPOTERRE, Estelle MAYARD, Robert RENAVILLE - [36h AUTR]