

First Year

Compulsory courses

Project interdisciplinary

PROJ0002-1 *Interdisciplinary project, 1st part - N...* - [24h SEM] - - [+] 2

Practice of chemistry

CHIM9245-1 *Applied organic chemistry - Georges LOGNAY - [6h SEM]* 18 - [+] 2

CHIM9246-1 *Instrumental analysis (electrochemistry and spectrometry) - Georges LOGNAY - [8h SEM]* 24 52 [+] 7

BIOL2017-3 *Biological chemistry, 3rd part - Michel PAQUOT* 36 - - 3

CHIM9240-2 *Organic chemistry, 2nd part - Jean-Paul WATHELET* 4 44 - 4

Food science and technology

BIOI0002-1 *Fermentation and extraction factories, 1st part - Philippe THONART* 24 24 - 4

ALIM0005-1 *Food Formulations Engineering - Christophe BLECKER* 16 8 - 2

ALIM0006-1 *Food science - N... - Suppl : Christophe BLECKER* 30 30 - 5

ALIM0007-1 *Physico-chemistry of formulations - N... - Suppl : Marianne SINDIC* 18 6 - 2

Microbiology and biology

GENE0002-1 *Molecular genetics of microorganisms - Micheline VANDENBOL - [2h SEM]* 12 10 [+] 2

ALIM0001-1 *Food hygiene - Marc CULOT, Daniel PORTETELLE* 18 6 - 2

ANIM0003-1 *Immunology, immunochemistry - Daniel PORTETELLE* 12 12 - 2

ANIM0004-1 *Microbial biochemistry and physiology - Daniel PORTETELLE* 14 10 - 2

BIOL2021-1 *Theory of the molecular structure-function relations - Robert BRASSEUR* 24 - - 2

BIOL2022-1 *Genetic engineering - Richard KETTMANN* 12 - - 1

Processes engineering

BIOL2020-1 *Applied molecular biology - Richard KETTMANN* 24 - - 2

BIAA0003-2 *Food and agro-food engineering, part 2 - François BERA* 12 12 - 2

CHIM9247-1 *Industrial chemical processes engineering - Michel PAQUOT* 12 12 - 2

CHIM9248-1 *Basic principles of wastewater treatments - Marc CULOT* 24 - - 2

BIAA0003-3 *Food and agro-food engineering, part 3 - N... - Suppl : François BERA* 2 22 - 2

Management techniques

GEST3016-1 *Management - Philippe LEBAILLY* 24 - - 2

GEST3017-1 *General accounting and balance sheet analysis - Philippe LEBAILLY* 24 - - 2

GEST3018-1 *Synthesis works and seminars - N... - Suppl : Sabine DANTHINE - [24h SEM]* - - [+] 2

GEST3015-1 *Quality management - Marianne SINDIC - [6h SEM]* 18 - [+] 2

Second Year

Compulsory courses

Final work

RTFE0002-1 *Final dissertation - N...* - - - 27

LANG0907-1 *English language : scientific communication - N... - Suppl : Sophie DEPOTERRE, Marie-Anne DUFFELER* 36 - - 3

Interdisciplinary project

PROJ0002-4 *Interdisciplinary project, 2nd part - N...* 72 - - 6

Food technology

ALIM0008-1 *Technology of food industries - Sabine DANTHINE - [4h FT]* 24 20 [+] 4

Agro-industries

ANIM0008-1 *Animal cell culture - Daniel PORTETELLE - [4h FT]* 12 8 [+] 2

BIOI0002-2 *Fermentation and extraction factories, 2nd part - Philippe THONART* 24 24 - 4

BIOI0001-1 *Industrial microbiology - Philippe THONART* 24 - - 2

GERE0013-1 *Metrology - Marie-France DESTAIN* 14 10 - 2

Specialty chemicals

CHIM9250-1 *Advanced analytical chemistry - Georges LOGNAY - [6h SEM]* - 18 [+] 2

VEGE0001-1 *Plant protection products bases - Bruno SCHIFFERS* 24 - - 2

CHIM9251-1 *Current questions in organic and biological chemistry - Jean-Paul WATHELET - [14h SEM]* - 10 [+] 2

Specialization module

Optional courses

[...] 2 courses of 2 credits each one to choose

List : Chemistry and bioindustries

ANIM0009-1	<i>Immunobiology</i> - Daniel PORTETELLE	10	14	-	2
BIOL2014-1	<i>Complements of comparative animal anatomy and physiology</i> - Robert RENAVILLE	24	-	-	2
ANIM0005-1	<i>Biochemistry of the metabolisms in the domestic animals</i> - Robert RENAVILLE	24	-	-	2
ANIM0010-1	<i>Physiology of the domestic animals</i> - Robert RENAVILLE	24	-	-	2
ENVT2043-1	<i>Elements of human and economic geography</i> - Claude FELTZ	24	-	-	2
GEAT0003-1	<i>Land-use policy in rural areas</i> - Claude FELTZ - [12h SEM]	12	-	[+]	2
GEAT0002-1	<i>Economic geography elements</i> - Claude FELTZ	24	-	-	2
ENVT2052-1	<i>The environmental effects of projects and plans</i> - Claude FELTZ - [6h SEM]	18	-	[+]	2
VEGE0008-1	<i>Applied Plant Physiology and Biochemistry</i> - Patrick DU JARDIN - [6h SEM]	18	-	[+]	2
VEGE0004-1	<i>Molecular Plant Biotechnology</i> - Patrick DU JARDIN - [4h SEM]	20	-	[+]	2
CHIM9252-1	<i>Applications of analytical chemistry</i> - Georges LOGNAY	4	20	-	2
VEGE0010-1	<i>Safe and effective use of pesticides and residues control</i> - Bruno SCHIFFERS	14	10	-	2
BIOD0002-1	<i>Plant geography and phytosociology</i> - Grégory MAHY	12	12	-	2
BIOD0001-1	<i>Biodiversity survey and management, 1st part</i> - Grégory MAHY - Suppl : Sonia VANDERHOEVEN - [6h SEM]	18	-	[+]	2
BIOD0001-2	<i>Biodiversity survey and management, 2nd part</i> - Grégory MAHY	6	18	-	2
BIOD0004-1	<i>Ecology applied to open communities</i> - Grégory MAHY - [12h FT]	12	-	[+]	2
ECON2250-1	<i>International economics</i> - Philippe LEBAILLY	24	-	-	2
GEST3019-1	<i>Food Policy and Strategy</i> - Philippe LEBAILLY	24	-	-	2
ECON2251-1	<i>Food and agro-industrial Chain Economy</i> - Philippe LEBAILLY - [15h SEM]	9	-	[+]	2
ECON2253-1	<i>Economics of development Seminar</i> - Philippe LEBAILLY - [24h SEM]	-	-	[+]	2
GEST3021-1	<i>Complementary course of accounting</i> - Thomas DOGOT	-	24	-	2
CHIM9249-1	<i>Microbial ecology of soil and water</i> - Marc CULOT	18	6	-	2
VEGE0002-1	<i>Applied zoology</i> - Eric HAUBRUGE - Suppl : Frédéric FRANCIS - [9h SEM]	15	-	[+]	2
VEGE0021-1	<i>Limnology</i> - Frédéric FRANCIS - [4h SEM]	10	10	[+]	2
FORE0017-1	<i>Aquaculture</i> - Eric HAUBRUGE - [20h SEM, 4h FT]	-	-	[+]	2
VEGE0014-1	<i>Integrated pest management</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN - [24h SEM]	-	-	[+]	23
VEGE0015-1	<i>Applied Entomology</i> - Eric HAUBRUGE	12	12	-	2
FORE0002-1	<i>Tree species of tropical and subtropical regions</i> - Jean-Louis DOUCET - [5h FT]	14	5	[+]	2
FORE0019-1	<i>Forestry of dry tropical regions</i> - Jean-Louis DOUCET	24	-	-	2
FORE0014-1	<i>Tropical agroforestry</i> - Jean-Louis DOUCET	24	-	-	2
FORE0003-1	<i>Management of natural ecosystems</i> - Cédric VERMEULEN - [20h SEM]	4	-	[+]	2
FORE0007-1	<i>Genetic improvement of forest trees</i> - Jean-Louis DOUCET - [6h FT]	18	-	[+]	2
FORE0020-1	<i>Introduction to forest mensuration</i> - Jacques RONDEUX - [2h FT]	14	8	[+]	2
FORE0013-1	<i>Natural resources inventory methods</i> - Philippe LEJEUNE - [2h SEM]	8	14	[+]	2
FORE0001-1	<i>Forests and forest ecosystems</i> - Jacques RONDEUX - [5h SEM]	19	-	[+]	2
ENVT2050-1	<i>Applied remote sensing</i> - Philippe LEJEUNE	12	12	-	2
FORE0015-1	<i>Forest harvesting</i> - Philippe LEJEUNE	22	2	-	2
ENVT2048-1	<i>Geomatics</i> - Philippe LEJEUNE	8	16	-	2
FORE0021-1	<i>Forest species of temperate regions</i> - Hugues CLAESSENS	24	-	-	2
FORE0022-1	<i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS, Jacques RONDEUX - [6h FT]	18	-	[+]	2
FORE0023-1	<i>Silviculture</i> - Jacques RONDEUX	6	18	-	2
FORE0018-1	<i>Game management</i> - Jacques RONDEUX - [10h SEM]	14	-	[+]	2
ANIM0002-1	<i>Animal Breeding</i> - Nicolas GENGLER - [3h SEM, 4h FT]	10	7	[+]	2
GEOP0004-1	<i>Geomorphopedological identification</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
AGRO0011-1	<i>Pedology of tropical and subtropical environments</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
GEOP0005-1	<i>Applied regional pedology</i> - Laurent BOCK - [18h FT]	6	-	[+]	2
GEOP0003-1	<i>Pedogenesis and soil classification</i> - Laurent BOCK	24	-	-	2
GEOP0006-1	<i>Soil quality evaluation and management</i> - Gilles COLINET - [6h FT]	18	-	[+]	2
HYDR0001-1	<i>General Hydrology</i> - N... - Suppl : Aurore DEGRE	24	-	-	2
HYDR0002-1	<i>Water flow in soils</i> - N... - Suppl : Aurore DEGRE	24	-	-	2
HYDR0003-1	<i>Applied hydrology</i> - N... - Suppl : Aurore DEGRE	-	24	-	2
HYDR0006-1	<i>Modelling of transfers in soils</i> - N... - Suppl : Aurore DEGRE - [12h SEM]	12	24	[+]	2
FORE0011-1	<i>Wood industries</i> - Jacques HEBERT - [12h FT]	12	-	[+]	2
FORE0016-1	<i>Wood-based products</i> - Jacques HEBERT - [6h FT]	18	-	[+]	2
FORE0012-1	<i>Forest products supply chain</i> - Jacques HEBERT - [4h SEM]	12	8	[+]	2
HORT0010-1	<i>Horticulture and environmental requirements</i> - Monique BODSON - [12h SEM]	12	-	[+]	2
HORT0002-1	<i>Horticulture production systems</i> - Monique BODSON - [9h FT]	15	-	[+]	2

HORT0001-1	<i>Principles of horticultural science</i> - Monique BODSON	24	-	-	2
HORT0006-1	<i>Horticultural Systematic</i> - Monique BODSON - [4h SEM]	10	10	[+]	2
HORT0011-1	<i>Analysis of the network of operators in the horticulture industry</i> - Monique BODSON - [8h FT]	12	4	[+]	2
HORT0003-1	<i>Managing tree growth and development: principles of arboriculture</i> - Monique BODSON	18	6	-	2
HORT0004-1	<i>Physiology of plant reproduction and propagation</i> - Monique BODSON	24	-	-	2
HORT0007-1	<i>Post harvest physiology</i> - Monique BODSON	24	-	-	2
FORE0024-1	<i>Wood anatomy and identification</i> - N... - Suppl : Benoît JOUREZ	12	12	-	2
GERE0002-1	<i>Principles of agricultural machines</i> - Marie-France DESTAIN - [3h FT]	21	-	[+]	2
HYDR0010-1	<i>Open channel hydraulics</i> - Charles DEBOUCHE	10	14	-	2
ENVT2045-1	<i>Surveying</i> - Charles DEBOUCHE	15	9	-	2
ENVT3010-1	<i>Surveying (complement)</i> - Charles DEBOUCHE	8	16	-	2
ENVT2049-1	<i>Introduction to environmental assessment</i> - Charles DEBOUCHE	24	-	-	2
HYDR0008-1	<i>Hydraulic pump and network</i> - Charles DEBOUCHE	10	14	-	2
HORT0009-1	<i>Horticultural production method and equipment</i> - Hugo MAGEIN - [3h FT]	21	-	[+]	2
AGRO0005-1	<i>Basis of tropical agriculture, first part</i> - Guy MERGEAI - [2h SEM]	22	-	[+]	2
AGRO0012-2	<i>Special tropical crop husbandry, second part</i> - Jean-Pierre BAUDOIN - [12h SEM]	12	-	[+]	2
VEGE0005-1	<i>General plant breeding</i> - Jean-Pierre BAUDOIN - [6h SEM]	18	-	[+]	2
VEGE0003-1	<i>Plant genetic resources</i> - Jean-Pierre BAUDOIN - [2h SEM, 8h FT]	14	-	[+]	2
PHYS3009-1	<i>Exchange Models in biosystems</i> - Marc AUBINET	16	8	-	2
GERE0007-1	<i>Digital electronics, first part</i> - Bernard HEINESCH	6	18	-	2
GERE0007-2	<i>Digital electronics, second part</i> - Bernard HEINESCH	6	18	-	2
PHYS3010-1	<i>Introduction to Bioclimatology</i> - Marc AUBINET	18	6	-	2
VEGE0007-1	<i>Bases of phytopathology</i> - Philippe LEPOIVRE - [8h SEM]	12	4	[+]	2
HORT0008-1	<i>Decision - making in crop protection, partim phytopathology</i> - Philippe LEPOIVRE - [19h SEM]	5	-	[+]	2
VEGE0006-1	<i>Integrated control of plant pathogens</i> - Philippe LEPOIVRE - [5h SEM, 4h FT]	10	5	[+]	2
VEGE0016-1	<i>Integrated control of plant pathogens</i> - Haissam JIJAKLI - [6h SEM]	18	-	[+]	2
AGRO0002-1	<i>Fertilizers and soil amendments</i> - N... - Suppl : Jean-Pierre DESTAIN	24	-	-	2
AGRO0007-1	<i>Practical aspects of agriculture in temperate regions</i> - Bernard BODSON - [18h FT]	6	-	[+]	2
AGRO0009-1	<i>Modelling of crop development</i> - Bernard BODSON	24	-	-	2
AGRO0006-1	<i>Malherbology and weeds control</i> - Bernard BODSON	21	3	-	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
STAT1213-1	<i>Elements of multivariate statistical methods</i> - Rodolphe PALM	12	12	-	2
STAT1218-1	<i>Statistical methods for economics</i> - Rodolphe PALM	12	12	-	2
ALIM0009-1	<i>Dairy science</i> - N... - Suppl : Marianne SINDIC - [3h FT]	12	9	[+]	2
BIAA0002-1	<i>Agro-food industry</i> - N... - Suppl : Marianne SINDIC	24	-	-	2
HORT0012-1	<i>Marketing of horticultural products</i> - André TOUSSAINT - [6h SEM]	18	-	[+]	2
GERE0009-1	<i>Earth moving and roads</i> - Jean-Claude VERBRUGGE - [6h SEM]	18	-	[+]	2
HYDR0004-1	<i>Irrigation</i> - Dimitri XANTHOULIS	24	-	-	2
SPRA0001-1	<i>Animal production</i> - André THEWIS	24	-	-	2
ANIM0006-2	<i>Animal production in temperate countries, simple stomach animals and poultry</i> - André THEWIS - [8h FT]	16	-	[+]	2
AGRO0004-1	<i>Agro-pastoralism and forage productions, part 1</i> - N... - Suppl : Abdoulaye DIENG	24	-	-	2
AGRO0004-2	<i>Agro-pastoralism and forage productions, part 2</i> - N... - Suppl : Didier STILMANT - [8h FT]	8	8	[+]	2
ANIM0011-1	<i>Animal welfare and ethics in production and experimentation</i> - Daniel PORTETELLE, André THEWIS	12	12	-	2
SOCI2234-1	<i>General and rural sociology</i> - Daniel BODSON	24	-	-	2
ENVT2051-1	<i>Applied geomatics</i> - Philippe LEJEUNE	8	16	-	2
VEGE0013-1	<i>European regulation and ecotoxicology</i> - - Suppl : Thierry NUYTTEIN	24	-	-	2
DROI0970-1	<i>Law of physical planning</i> - N...	24	-	-	2
DROI0969-1	<i>Forestry law</i> - N... - Suppl : Grégoire ORBAN DE XIVRY	24	-	-	2
ENVT2053-1	<i>Waste management</i> - N... - Suppl : Luc MINNE - [3h FT]	21	-	[+]	2
ENVT2054-1	<i>Renewable energies</i> - N... - Suppl : Yves SCHENKEL - [4h FT]	20	-	[+]	2
ECON2246-1	<i>Economics of developing countries</i> - N... - Suppl : Baudouin MICHEL - [16h SEM]	8	-	[+]	2
GEST3020-1	<i>Conceiving and economic assessment of project</i> - N... - Suppl : Baudouin MICHEL - [12h SEM]	12	-	[+]	2
VEGE0017-1	<i>Applied phytopathology</i> - Philippe LEPOIVRE	4	20	-	2

DROI0967-1	<i>Rural law - N... - Suppl : Gaëtan GOISSE</i>	24	-	-	2
VEGE0018-1	<i>Special crop protection, malherbology - Bernard BODSON - [4h SEM, 4h FT]</i>	16	-	[+]	2
VEGE0018-2	<i>Special crop protection, zoology - Eric HAUBRUGE - Suppl : François VERHEGGEN</i>	24	-	-	2
VEGE0018-3	<i>Special crop protection, phytopathology - Philippe LEPOIVRE - [10h SEM, 14h FT]</i>	-	-	[+]	2
VEGE0009-1	<i>Plant biotechnology: practical courses - Marie-Laure FAUCONNIER</i>	-	24	-	2
GEST3022-1	<i>Operations research for economics - - Suppl : Jean-Marc GODART</i>	16	8	-	2
ECON2254-1	<i>Tropicals markets - N... - Suppl : Baudouin MICHEL</i>	12	12	-	2
ECON2247-1	<i>Agricultural policy - Philippe BURNY - [6h SEM]</i>	12	6	[+]	2
ECON2248-1	<i>Environmental economy - Philippe LEBAILLY</i>	24	-	-	2
ECON2245-1	<i>Agricultural economics - Philippe BURNY</i>	12	12	-	2
ANIM0012-1	<i>Animal pathology and hygiene - N... - Suppl : Thierry VAN DEN BERG</i>	24	-	-	2
BIOL2023-1	<i>Bio-informatics , Methods for the analysis of genomic sequences - N... - Suppl : Laurence LINS</i>	24	-	-	2
GERE0014-1	<i>Design of agro-industrial infrastructures and environmental incidences - - Suppl : Joseph FLABA - [6h FT]</i>	18	-	[+]	2
GBLX0003-1	<i>Biosafety and Ethics of Biotechnology - Patrick DU JARDIN - [18h SEM]</i>	6	-	[+]	2
GBLX0004-1	<i>Applied Analytical chemistry - Georges LOGNAY</i>	24	-	-	2
GBLX0054-1	<i>Processes of biorefinery and white biotechnology - N... - Suppl : Michel PAQUOT - [6h SEM, 8h FT]</i>	4	6	[+]	2
GBLX0055-1	<i>Biological control of insect pests - Eric HAUBRUGE</i>	9	15	-	2
AGRO0013-1	<i>Pedology of forest environment - Gilles COLINET - [12h FT]</i>	12	-	[+]	2
HYDR0011-1	<i>Ecohydrology - Aurore DEGRE - [6h FT]</i>	12	6	[+]	2
GBLX0056-1	<i>Marketing and consumer market research - Jean-Michel RONSSE</i>	24	-	-	2
GBLX0057-1	<i>Mathematical methods in decision making - Rodolphe PALM</i>	12	12	-	2
GBLX0058-1	<i>Complements of food formulations engineering and sensory analysis - N... - Suppl : Christophe BLECKER - [4h SEM]</i>	12	8	[+]	2
GBLX0059-1	<i>Logistics in food industry - Claude DEROANNE - Suppl : Marianne SINDIC - [9h SEM, 6h FT]</i>	9	-	[+]	2
GBLX0060-1	<i>Drinking water production - N... - Suppl : Marc CULOT - [4h SEM]</i>	14	6	[+]	2
GERE0001-1	<i>Dynamics of systems - Marie-France DESTAIN</i>	14	10	-	2