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First Year

First semester

Compulsory courses

BIOL2010-1	<i>Cellular biology</i> - Daniel PORTETELLE	24	-	-	2
ENVT0044-1	<i>Current environmental issues : project</i> - Catherine COLAUX	30	-	-	2
GEOP0008-1	<i>Earth science</i> - Laurent BOCK - [6h FT]	30	12	[+]	4
MATH0494-1	<i>General mathematics, 1st part : Algebra and geometry</i> - Catherine CHARLES	20	30	-	4,5
ZOOL2017-1	<i>Zoology : Biodiversity and animal kingdom</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN - [2h FT]	12	22	[+]	3
BOTA0412-1	<i>Botany : Organization of seed plants</i> - Patrick DU JARDIN	24	24	-	4

Second semester

Compulsory courses

CHIM9267-1	<i>Chemistry of equilibria</i> - Georges LOGNAY	19	29	-	4
MATH0493-1	<i>General mathematics, 1st part : Analysis 1, differential calculus</i> - Catherine CHARLES	20	18	-	3,5
PHYS3024-1	<i>General physics : Thermodynamics</i> - Marc AUBINET	22	24	-	4
ZOOL2018-1	<i>Zoology : Ethology</i> - François VERHEGGEN - [4h SEM]	20	-	[+]	2
ZOOL2019-1	<i>Zoology : Entomology</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	-	24	-	2
BOTA0413-1	<i>Botany : Diversity and evolution of plants</i> - Patrick DU JARDIN - [3h FT, 2h AUTR]	20	23	[+]	4
ZOOL2016-1	<i>Zoology : Basic concepts</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	24	-	-	2

All year round

Compulsory courses

CHIM9268-1	<i>General chemistry</i> - MarieLaure FAUCONNIER	43	40	-	7
PHYS3025-1	<i>General physics : Mechanics particle</i> - Marc AUBINET	22	27	-	4
GBLX2131-1	<i>Biosphere, agriculture and society</i> - Marc DUFRÈNE, Grégory MAHY, Guy MERGEAI	-	-	-	4

Optional courses

Choose one course according to the test level

LANG2950-1	<i>English language : level 1</i> - Estelle MAYARD	-	48	-	4
LANG2962-1	<i>English language : level 2</i> - Sophie DEPOTERRE	-	48	-	4

Second Year

First semester

Compulsory courses

CHIM9255-3	<i>Organic Chemistry</i> - MarieLaure FAUCONNIER	21	27	-	4
ELEC0438-1	<i>Electricity</i> - Bernard HEINESCH	24	36	-	5
INFO2037-1	<i>Introduction to computer science</i> - Pierre RAMLOT	6	18	-	2
MATH0485-3	<i>General mathematics, second part</i> - Catherine CHARLES	18	18	-	3
MECA0490-1	<i>Engineering mechanics</i> - MarieFrance DESTAIN	18	18	-	3
SOCI2233-1	<i>Sociology</i> - Daniel BODSON	24	-	-	2

Second semester

Compulsory courses

BIOL2011-1	<i>Comparative animal anatomy and physiology</i> - Robert RENAVILLE	38	10	-	4
CHIM9238-3	<i>Analytical chemistry</i> - Georges LOGNAY	16	32	-	4
CHIM9239-2	<i>Biological molecules chemistry</i> - Aurore RICHEL, Bernard WATHELET	48	-	-	4
ECON2244-1	<i>Political and social economics</i> - Philippe LEBAILLY	48	12	-	5
BIOL2012-1	<i>Plant physiology</i> - Patrick DU JARDIN	32	16	-	4
PHYS3008-3	<i>Environmental physics</i> - Marc AUBINET	12	12	-	2

All year round

Compulsory courses

GEOP0001-1	<i>Earth sciences</i> - Laurent BOCK - [6h FT]	74	28	[+]	9
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STAT1206-1 *Fundamental statistics* - Yves BROSTAUX 30 30 - 5

Optional courses

Choose one course according to the test level

LANG2950-1 *English language : level 1* - Estelle MAYARD - 48 - 4
 LANG2962-1 *English language : level 2* - Sophie DEPOTERRE - 48 - 4

Third Year

Common core courses

Semester 1

BIOL2013-2 *General microbiology, 1st part* - Micheline VANDENBOL 16 8 - 2
 INGE0002-1 *Refrigeration and drying, part 1* - François BERA 20 4 - 2
 INFO2038-1 *Computer science and algorithmic* - Yves BROSTAUX - Suppl : Hélène SOYEURT 6 18 - 2

Semester 2

DOCU0449-3 *Scientific literature and information literacy* - Bernard POCHE - [14h AUTR] 4 6 [+] 2
 BIOL2016-3 *Principles of genetics* - Nicolas GENGLER, Ludivine LASSOIS, N... 24 12 - 3
 GEST3028-1 *Accounting and management* - Thomas DOGOT, Philippe LEBAILLY 48 - - 4
 MANA0003-1 *Portfolio (Bac 3)* - Philippe LEPOIVRE - - - 2

All year round

LANG0906-4 *English language, part 2* - Ingrid BERTRAND - 48 - 4
 STAT1207-1 *Applied statistics* - Yves BROSTAUX 30 30 - 5
 MANA0002-3 *Team, organization and change* - JeanFrançois LEROY - [44h SEM] 4 - [+] 2

Optional courses

Choose one field from amongst :

Agronomical sciences

Semester 1

AGRO0001-1 *Compared agriculture* - Bernard BODSON, Guy MERGEAI - [2h FT] 34 - [+] 3
 BIOL2013-3 *General microbiology, 2nd part* - Micheline VANDENBOL 16 8 - 2
 DROI0966-1 *Law* - Didier PIRE 24 - - 2
 FORE0001-2 *Forests and forest ecosystems* - Hugues CLAESSENS, JeanLouis DOUCET 24 - - 2
 GEOP0002-1 *Pedology* - Laurent BOCK - [6h FT] 42 - [+] 4
 HYDR0001-1 *General Hydrology* - Aurore DEGRÉ 24 - - 2

Semester 2

AGRO0002-1 *Fertilizing materials* - JeanPierre DESTAIN 24 - - 2
 BIAA0001-1 *Techniques of food preparation and preservation* - Christophe BLECKER 24 - - 2
 BIAA0002-1 *Agriculture and food technology* - Marianne SINDIC 24 - - 2
 BIOL2015-3 *Molecular biology* - Luc WILLEMS 36 - - 3
 BIOL2018-1 *Human and animal nutritions* - Yves BECKERS, Nadia EVERAERT 24 - - 2
 ENVT2044-1 *General ecology* - Grégory MAHY, Arnaud MONTY 28 20 - 4
 SPRA0001-1 *Animal production* - Nicolas GENGLER 24 - - 2

Chemistry and bioindustry

Semester 1

BIAA0003-1 *Food and agro-food engineering, 1st part* - Philippe THONART 24 24 - 4
 BIOL2017-5 *Biological chemistry* - Aurore RICHEL 12 12 - 2
 BIOL2013-3 *General microbiology, 2nd part* - Micheline VANDENBOL 16 8 - 2
 INGE0001-4 *Strength of materials and elasticity* - Pierre LATTEUR 24 - - 2

Semester 2

BIAA0001-1 *Techniques of food preparation and preservation* - Christophe BLECKER 24 - - 2
 BIOL2015-3 *Molecular biology* - Luc WILLEMS 36 - - 3
 CHIM9241-1 *Purification and concentration techniques* - Jacqueline DESTAIN 24 - - 2
 INGE0002-4 *Refrigeration and drying, part 2* - François BERA 4 20 - 2

All year round

BIOL2019-1	<i>Theoretical and physical chemistry applied to structural analysis of biomolecules</i> - Bernard WATHELET	36	48	-	7
CHIM9242-4	<i>Fundamentals of quantitative analytical chemistry</i> - Georges LOGNAY	18	54	-	6

Environmental sciences and technologies

Semester 1

AGRO0001-1	<i>Compared agriculture</i> - Bernard BODSON, Guy MERGEAI - [2h FT]	34	-	[+]	3
DROI0966-1	<i>Law</i> - Didier PIRE	24	-	-	2
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	24	-	-	2
GEOP0002-1	<i>Pedology</i> - Laurent BOCK - [6h FT]	42	-	[+]	4
HYDR0001-1	<i>General Hydrology</i> - Aurore DEGRÉ	24	-	-	2
INGE0001-2	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	36	-	-	3

Semester 2

ENVT2044-1	<i>General ecology</i> - Grégory MAHY, Arnaud MONTY	28	20	-	4
INGE0004-2	<i>Construction processes</i> - Pierre LATTEUR	48	-	-	4
INGE0006-2	<i>Systems Dynamics</i> - MarieFrance DESTAIN	12	12	-	2
PHYS3010-2	<i>Introduction to Bioclimatology</i> - Marc AUBINET	24	-	-	2
HYDR0007-3	<i>Fluid mechanics</i> - Charles DEBOUCHE	14	10	-	2
INGE0007-1	<i>Energy and engines</i> - Charles DEBOUCHE	24	-	-	2

Management of forests and natural areas

Semester 1

AGRO0001-1	<i>Compared agriculture</i> - Bernard BODSON, Guy MERGEAI - [2h FT]	34	-	[+]	3
DROI0966-1	<i>Law</i> - Didier PIRE	24	-	-	2
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	24	-	-	2
GEOP0002-1	<i>Pedology</i> - Laurent BOCK - [6h FT]	42	-	[+]	4
HYDR0001-1	<i>General Hydrology</i> - Aurore DEGRÉ	24	-	-	2
INGE0001-4	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	24	-	-	2

Semester 2

BIOL2015-3	<i>Molecular biology</i> - Luc WILLEMS	36	-	-	3
ENVT2044-1	<i>General ecology</i> - Grégory MAHY, Arnaud MONTY	28	20	-	4
FORE0021-2	<i>Tree species in temperate regions</i> - Arnaud MONTY	12	12	-	2
FORE0022-3	<i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS - [12h FT Tr. Pr.]	12	-	[+]	2
PAYS0006-2	<i>Landscape ecology concepts</i> - Jan BOGAERT	12	12	-	2
PHYS3010-2	<i>Introduction to Bioclimatology</i> - Marc AUBINET	24	-	-	2
SPRA0001-1	<i>Animal production</i> - Nicolas GENGLER	24	-	-	2