

Or Th Pr Au Cr

### 1st year (Block 1)

First semester

#### Compulsory courses

BIOL2010-1	<i>Cellular biology</i> - Daniel PORTETELLE	Q1	24	-	-	2
ENVT0044-1	<i>Current environmental issues : project</i> - Catherine COLAUX - [4h AUTR]	Q1	9	-	[+]	2
MATH0494-1	<i>General mathematics, 1st part : Algebra and geometry</i> - Catherine CHARLES - [8h AUTR, 8h REM]	Q1	20	24	[+]	4
ZOOL2017-1	<i>Zoology : Biodiversity and animal kingdom</i> - Frédéric FRANCIS - [2h FT]	Q1	11	22	[+]	3
BOTA0412-1	<i>Botany : Organization of seed plants</i> - Patrick DU JARDIN	Q1	24	20	-	4
CHIM9268-1	<i>General chemistry</i> - MarieLaure FAUCONNIER - [10h REM, 7h AUTR]	Q1	36	28	[+]	7
PHYS3025-1	<i>General physics : Mechanics particle</i> - Marc AUBINET - [8h REM, 6h AUTR]	Q1	22	24	[+]	4
ZOOL2016-1	<i>Zoology : Basic concepts</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	Q1	22	-	-	2

Second semester

#### Compulsory courses

CHIM9267-1	<i>Chemistry of equilibria</i> - Georges LOGNAY - [8h REM]	Q2	20	21	[+]	4
MATH0493-1	<i>General mathematics, 1st part : Analysis I, differential calculus</i> - Catherine CHARLES - [8h REM]	Q2	20	22	[+]	4
PHYS3024-1	<i>General physics : Thermodynamics</i> - Marc AUBINET - [8h REM]	Q2	22	24	[+]	4
ZOOL2018-1	<i>Zoology : Ethology</i> - François VERHEGGEN	Q2	20	-	-	2
ZOOL2019-1	<i>Zoology : Entomology</i> - Frédéric FRANCIS	Q2	-	22	-	2
BOTA0413-1	<i>Botany : Diversity and evolution of plants</i> - Patrick DU JARDIN - [3h FT]	Q2	20	18	[+]	4
GEOP0008-1	<i>Earth science</i> - Frédéric BOULVAIN, Marie DAVIN, Amandine LIÉNARD - [6h FT]	Q2	30	12	[+]	4
GBLX2131-2	<i>Biosphere, agriculture and society</i> - Marc DUFRÊNE, Grégory MAHY, Guy MERGEAI	Q2	44	-	-	4

All year round

#### Compulsory courses

LANG2950-1	<i>English language : level 1</i> - Estelle MAYARD - [48h E-Lrng]	TA	-	24	[+]	4
------------	---	----	---	----	-----	---

### Second year

First semester

#### Compulsory courses

CHIM9255-3	<i>Organic Chemistry</i> - MarieLaure FAUCONNIER	Q1	21	27	-	4
ELEC0438-1	<i>Electricity</i> - Bernard HEINESCH	Q1	24	36	-	5
INFO2037-1	<i>Introduction to computer science</i> - Pierre RAMLOT	Q1	6	18	-	2
MATH0485-3	<i>General mathematics, part 1 - Analysis 2, integral calculus</i> - Catherine CHARLES	Q1	14	18	-	3
SOCI2233-1	<i>Sociology</i> - Daniel BODSON	Q1	24	-	-	2
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	Q1	24	-	-	2
STAT1206-1	<i>Fundamental statistics</i> - Yves BROSTAUX	Q1	30	30	-	5

Second semester

#### Compulsory courses

BIOL2011-1	<i>Comparative animal anatomy and physiology</i> - Robert RENAVILLE	Q2	38	10	-	4
CHIM9238-3	<i>Analytical chemistry</i> - Georges LOGNAY	Q2	16	32	-	4
CHIM9239-2	<i>Biological molecules chemistry</i> - Aurore RICHEL	Q2	48	-	-	4
ECON2244-1	<i>Political and social economics</i> - Philippe LEBAILLY	Q2	48	12	-	5
BIAA0002-1	<i>Agriculture and food technology</i> - Marianne SINDIC	Q2	24	-	-	2
PHYS3026-1	<i>General Physics : fluid dynamics and photometry</i> - Marc AUBINET	Q2	9	15	-	3
ZOOL2020-1	<i>Zoology : Evolution</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	Q2	-	-	-	3
GEOP0009-1	<i>Soil sciences</i> - JeanThomas CORNELIS	Q2	-	-	-	5

All year round

#### Compulsory courses

LANG2962-1	<i>English language : level 2</i> - Sophie DEPOTERRE, Estelle MAYARD - [48h E-Lrng]	TA	-	24	[+]	4
BOTA0414-1	<i>Systematic botany</i> - Patrick DU JARDIN	TA	-	-	-	3

### Third year

#### Common core courses

##### Semester 1

BIOL2013-2	<i>General microbiology, 1st part</i> - Micheline VANDENBOL	Q1	16	8	-	2
INGE0002-1	<i>Refrigeration and drying, part 1</i> - François BERA	Q1	20	4	-	2
INFO2038-1	<i>Computer science and algorithmic</i> - Yves BROSTAUX - Suppl : Hélène SOYEURT	Q1	6	18	-	2

##### Semester 2

GEST3028-1	<i>Accounting and management</i> - Thomas DOGOT, Philippe LEBAILLY	Q2	48	-	-	4
MANA0003-1	<i>Portfolio (Bac 3)</i> - Philippe LEPOIVRE	TA	-	-	-	2

##### All year round

STAT1207-1	<i>Applied statistics</i> - Yves BROSTAUX	TA	30	30	-	5
MANA0002-3	<i>Team, organization and change</i> - JeanFrançois LEROY - [44h SEM]		4	-	[+]	2
LANG2962-1	<i>English language : level 2</i> - Sophie DEPOTERRE, Estelle MAYARD - [48h E-Lrng]	TA	-	24	[+]	4

#### Optional courses

##### Choose one field from amongst :

#### Agronomy

##### Semester 1

AGRO0001-1	<i>Compared agriculture</i> - Bernard BODSON, Guy MERGEAI - [2h FT]	Q1	34	-	[+]	3
BIOL2013-3	<i>General microbiology, 2nd part</i> - Micheline VANDENBOL	Q1	16	8	-	2
DROI0966-1	<i>Law</i> - Didier PIRE		24	-	-	2
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	Q1	24	-	-	2
GEOP0002-1	<i>Edaphology</i> - Aurore DEGRÉ, Sarah GARRÉ - [6h FT]	Q1	38	4	[+]	4
HYDR0001-1	<i>General Hydrology</i> - Aurore DEGRÉ	Q1	24	-	-	2

##### Semester 2

DOCU0449-3	<i>Scientific literature and information literacy</i> - Bernard POCHET - [14h AUTR]	Q2	4	6	[+]	2
BIOL2016-3	<i>Principles of genetics</i> - Nicolas GENGLER, Ludivine LASSOIS, Hervé VANDERSCHUREN	Q2	24	12	-	3
AGRO0002-1	<i>Fertilizing materials</i> - JeanPierre DESTAIN	Q2	24	-	-	2
BIAA0001-1	<i>Techniques of food preparation and preservation</i> - Christophe BLECKER	Q2	24	-	-	2
BIAA0002-1	<i>Agriculture and food technology</i> - Marianne SINDIC	Q2	24	-	-	2
BIOL2015-3	<i>Molecular biology</i> - Luc WILLEMS	Q2	36	-	-	3
BIOL2018-1	<i>Animal nutrition</i> - Yves BECKERS, Nadia EVERAERT	Q2	24	-	-	2
ENVT2044-1	<i>General ecology</i> - Grégory MAHY, Arnaud MONTY	Q2	28	20	-	4
SPRA0001-1	<i>Animal production</i> - Nicolas GENGLER	Q2	24	-	-	2

#### Chemistry and bioindustry

##### Semester 1

BIAA0003-1	<i>Food and agro-food engineering, 1st part</i> - Frank DELVIGNE	Q1	24	24	-	4
BIOL2017-5	<i>Biological chemistry</i> - Aurore RICHEL	Q1	12	12	-	2
BIOL2013-3	<i>General microbiology, 2nd part</i> - Micheline VANDENBOL	Q1	16	8	-	2
INGE0001-4	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	Q1	24	-	-	2

##### Semester 2

DOCU0449-3	<i>Scientific literature and information literacy</i> - Bernard POCHET - [14h AUTR]	Q2	4	6	[+]	2
BIOL2016-3	<i>Principles of genetics</i> - Nicolas GENGLER, Ludivine LASSOIS, Hervé VANDERSCHUREN	Q2	24	12	-	3
BIAA0001-1	<i>Techniques of food preparation and preservation</i> - Christophe BLECKER	Q2	24	-	-	2
BIOL2015-3	<i>Molecular biology</i> - Luc WILLEMS	Q2	36	-	-	3
CHIM9241-1	<i>Purification and concentration techniques</i> - Patrick FICKERS		24	-	-	2
INGE0002-4	<i>Refrigeration and drying, part 2</i> - François BERA	Q2	4	20	-	2

##### All year round

BIOL2019-1	<i>Theoretical and physical chemistry applied to structural analysis of</i>	TA	36	48	-	7
------------	---	----	----	----	---	---

CHIM9242-4	<i>biomolecules</i> - Christian DAMBLON, Edwin DE PAUW <i>Fundamentals of quantitative analytical chemistry</i> - Georges LOGNAY	TA	18	54	-	<b>6</b>
------------	---	----	----	----	---	----------

#### Environmental sciences and technologies

##### Semester 1

AGRO0001-1	<i>Compared agriculture</i> - Bernard BODSON, Guy MERGEAI - [2h FT]	Q1	34	-	[+]	<b>3</b>
DROI0966-1	<i>Law</i> - Didier PIRE		24	-	-	<b>2</b>
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	Q1	24	-	-	<b>2</b>
GEOP0002-1	<i>Edaphology</i> - Aurore DEGRÉ, Sarah GARRÉ - [6h FT]	Q1	38	4	[+]	<b>4</b>
HYDR0001-1	<i>General Hydrology</i> - Aurore DEGRÉ	Q1	24	-	-	<b>2</b>
INGE0001-2	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	Q1	36	-	-	<b>3</b>

##### All year round

INGE0008-1	<i>Multidisciplinary experimental project</i> - Yves BROSTAUX, Benoît MERCATORIS, Bernard POCHE - [36h AUTR]	TA	-	-	[+]	<b>3</b>
------------	--	----	---	---	-----	----------

##### Semester 2

ENVT2044-1	<i>General ecology</i> - Grégory MAHY, Arnaud MONTY	Q2	28	20	-	<b>4</b>
INGE0004-2	<i>Construction processes</i> - Pierre LATTEUR	Q2	48	-	-	<b>4</b>
INGE0006-2	<i>Systems Dynamics</i> - MarieFrance DESTAIN, Benoît MERCATORIS	Q1	12	12	-	<b>2</b>
PHYS3010-2	<i>Introduction to Bioclimatology</i> - Marc AUBINET	Q2	24	-	-	<b>2</b>
HYDR0007-3	<i>Fluid mechanics</i> - Michel PIROTON	Q2	14	10	-	<b>2</b>
INGE0007-1	<i>Energy and engines</i> - MarieFrance DESTAIN	Q2	12	12	-	<b>2</b>
BIOL2016-4	<i>Principles of genetics</i> - Nicolas GENGLER, Ludivine LASSOIS, Hervé VANDERSCHUREN	Q2	16	8	-	<b>2</b>

#### Management of forests and natural areas

##### Semester 1

AGRO0001-1	<i>Compared agriculture</i> - Bernard BODSON, Guy MERGEAI - [2h FT]	Q1	34	-	[+]	<b>3</b>
DROI0966-1	<i>Law</i> - Didier PIRE		24	-	-	<b>2</b>
FORE0001-2	<i>Forests and forest ecosystems</i> - Hugues CLAESSENS, JeanLouis DOUCET	Q1	24	-	-	<b>2</b>
GEOP0002-1	<i>Edaphology</i> - Aurore DEGRÉ, Sarah GARRÉ - [6h FT]	Q1	38	4	[+]	<b>4</b>
HYDR0001-1	<i>General Hydrology</i> - Aurore DEGRÉ	Q1	24	-	-	<b>2</b>
INGE0001-4	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	Q1	24	-	-	<b>2</b>

##### Semester 2

DOCU0449-3	<i>Scientific literature and information literacy</i> - Bernard POCHE - [14h AUTR]	Q2	4	6	[+]	<b>2</b>
BIOL2016-3	<i>Principles of genetics</i> - Nicolas GENGLER, Ludivine LASSOIS, Hervé VANDERSCHUREN	Q2	24	12	-	<b>3</b>
BIOL2015-3	<i>Molecular biology</i> - Luc WILLEMS	Q2	36	-	-	<b>3</b>
ENVT2044-1	<i>General ecology</i> - Grégory MAHY, Arnaud MONTY	Q2	28	20	-	<b>4</b>
FORE0021-2	<i>Tree species in temperate regions</i> - Arnaud MONTY	Q2	12	12	-	<b>2</b>
FORE0022-3	<i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS - [12h FT Tr. Pr.]	Q2	12	-	[+]	<b>2</b>
PAYS0006-2	<i>Landscape ecology concepts</i> - Jan BOGAERT	Q2	12	12	-	<b>2</b>
PHYS3010-2	<i>Introduction to Bioclimatology</i> - Marc AUBINET	Q2	24	-	-	<b>2</b>
SPRA0001-1	<i>Animal production</i> - Nicolas GENGLER	Q2	24	-	-	<b>2</b>