

## First Year

### Compulsory courses

#### Biological sciences

BIOL2010-1	<i>Cellular biology</i> - Daniel PORTETELLE	24	-	-	<b>2,5</b>
BOTA0408-1	<i>Botany</i> - Patrick DU JARDIN	52	72	-	<b>11,5</b>
ZOOL2006-1	<i>Zoology</i> - Eric HAUBRUGE - [6h SEM, 3h FT]	66	49	[+]	<b>11,5</b>

#### Chemistry

CHIM9237-1	<i>General chemistry</i> - Jean-Paul WATHELET	58	66	-	<b>11,5</b>
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#### Mathematics

MATH0485-1	<i>General mathematics, first part</i> - Catherine CHARLES	58	66	-	<b>11,5</b>
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#### Physics

PHYS3007-1	<i>General physics</i> - Marc AUBINET	54	70	-	<b>11,5</b>
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## Second Year

### Compulsory courses

#### Biological sciences

BIOL2011-1	<i>Comparative animal anatomy and physiology</i> - Robert RENAUVILLE	38	10	-	<b>4</b>
BIOL2012-1	<i>Plant physiology</i> - Patrick DU JARDIN	32	16	-	<b>4</b>

#### Chemistry

CHIM9238-1	<i>Analytical chemistry</i> - Georges LOGNAY	16	32	-	<b>4</b>
CHIM9239-1	<i>Biological molecules chemistry</i> - Michel PAQUOT	24	-	-	<b>2</b>
CHIM9240-1	<i>Organic chemistry, 1st part</i> - Jean-Paul WATHELET	72	-	-	<b>6</b>

#### Mathematics

MATH0485-2	<i>General mathematics, second part</i> - Catherine CHARLES	36	-	-	<b>3</b>
STAT1206-1	<i>Fundamental statistics</i> - Rodolphe PALM	30	30	-	<b>5</b>

#### Physics

MÉCA0490-1	<i>Engineering mechanics</i> - Marie-France DESTAIN	18	18	-	<b>3</b>
ELEC0438-1	<i>Electricity</i> - Marc AUBINET	24	36	-	<b>5</b>
PHYS3008-1	<i>Environmental physics</i> - Marc AUBINET	16	8	-	<b>2</b>

#### Earth and ecosystems Sciences

GEOP0001-1	<i>Earth sciences</i> - Laurent BOCK - [6h FT]	74	28	[+]	<b>9</b>
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#### Human Sciences

ECON2244-1	<i>Political and social economics</i> - Philippe LEBAILLY	48	12	-	<b>5</b>
SOCI2233-1	<i>Sociology</i> - Daniel BODSON	24	-	-	<b>2</b>

#### General training

INFO2037-1	<i>Introduction to computer science</i> - Jean-Jacques CLAUSTRIAUX	6	18	-	<b>2</b>
LANG0906-1	<i>English language, part 1</i> - Sophie DEPOTERRE	48	-	-	<b>4</b>

## Third Year

### Optional courses

Choose one option from the following :

#### Sciences and living being productions

##### Languages and human sciences

DROI0966-1	<i>Law</i> - Gaëtan GOISSE	24	-	-	<b>2</b>
LANG0906-2	<i>English language, part 2</i> - Marie-Anne DUFFELER	16	32	-	<b>4</b>

##### Bases of living productions

FORE0001-1	<i>Forests and forest ecosystems</i> - Jacques RONDEUX - [5h SEM]	19	-	[+]	<b>2</b>
AGRO0001-1	<i>Compared agriculture</i> - N... - Suppl : Bernard BODSON, Guy MERGEAI - [2h FT]	34	-	[+]	<b>3</b>
AGRO0002-1	<i>Fertilizers and soil amendments</i> - N... - Suppl : Jean-Pierre DESTAIN	24	-	-	<b>2</b>
BIAA0001-1	<i>Techniques of food preparation and preservation</i> - - Suppl : Christophe BLECKER	24	-	-	<b>2</b>

BIAA0002-1	<i>Agro-food industry - N... - Suppl : Marianne SINDIC</i>	24	-	-	2
SPRA0001-1	<i>Animal production - André THEWIS</i>	24	-	-	2
<b>Science of the environment</b>					
ENVT2043-1	<i>Elements of human and economic geography - Claude FELTZ</i>	24	-	-	2
ENVT2044-1	<i>General ecology - Grégory MAHY</i>	28	20	-	4
GEOP0002-1	<i>Pedology - Laurent BOCK - [6h FT]</i>	42	-	[+]	4
HYDR0001-1	<i>General Hydrology - N... - Suppl : Aurore DEGRE</i>	24	-	-	2
<b>Biological sciences</b>					
BIOL2013-1	<i>General microbiology - Daniel PORTETELLE</i>	32	16	-	4
BIOL2014-1	<i>Complements of comparative animal anatomy and physiology - Robert RENAUVILLE</i>	24	-	-	2
BIOL2015-1	<i>Molecular biology, 1st part - Richard KETTMANN</i>	24	-	-	2
BIOL2015-2	<i>Molecular biology, 2nd part - Richard KETTMANN</i>	24	-	-	2
BIOL2016-1	<i>Principles of genetics, 1st part - Jean-Pierre BAUDOIN</i>	24	-	-	2
BIOL2016-2	<i>Principles of genetics, 2nd part - Jean-Pierre BAUDOIN</i>	18	-	-	1,5
BIOL2017-1	<i>Biological chemistry, 1st part - Bernard WATHELET</i>	16	8	-	2
BIOL2018-1	<i>Nutrition and dietetic - André THEWIS</i>	24	-	-	2
<b>Engineering Science</b>					
INGE0001-1	<i>Strength of materials and elasticity - Pierre LATTEUR</i>	15	15	-	2,5
STAT1207-1	<i>Applied statistics - Jean-Jacques CLAUSTRIAUX</i>	30	30	-	5
INFO2038-1	<i>Computer science and algorithmic - Yves BROSTAUX</i>	18	6	-	2
INGE0002-1	<i>Refrigeration and drying, part 1 - N... - Suppl : François BERA</i>	20	4	-	2
<b>Chemistry and bioindustries</b>					
<b>Languages</b>					
LANG0906-2	<i>English language, part 2 - Marie-Anne DUFFELER</i>	16	32	-	4
<b>Engineering Science</b>					
INGE0001-1	<i>Strength of materials and elasticity - Pierre LATTEUR</i>	15	15	-	2,5
INGE0003-1	<i>Engine - Charles DEBOUCHE</i>	24	-	-	2
STAT1207-1	<i>Applied statistics - Jean-Jacques CLAUSTRIAUX</i>	30	30	-	5
INFO2038-1	<i>Computer science and algorithmic - Yves BROSTAUX</i>	18	6	-	2
INGE0002-1	<i>Refrigeration and drying, part 1 - N... - Suppl : François BERA</i>	20	4	-	2
INGE0002-2	<i>Refrigeration and drying, part 2 - N... - Suppl : François BERA</i>	24	-	-	2
<b>Biological sciences</b>					
BIOL2013-1	<i>General microbiology - Daniel PORTETELLE</i>	32	16	-	4
BIOL2015-1	<i>Molecular biology, 1st part - Richard KETTMANN</i>	24	-	-	2
BIOL2015-2	<i>Molecular biology, 2nd part - Richard KETTMANN</i>	24	-	-	2
BIOL2016-1	<i>Principles of genetics, 1st part - Jean-Pierre BAUDOIN</i>	24	-	-	2
BIOL2016-2	<i>Principles of genetics, 2nd part - Jean-Pierre BAUDOIN</i>	18	-	-	1,5
BIOL2018-1	<i>Nutrition and dietetic - André THEWIS</i>	24	-	-	2
<b>Chemistry</b>					
CHIM9241-1	<i>Purification and concentration techniques - Jacqueline DESTAIN</i>	24	-	-	2
CHIM9242-1	<i>Fundamentals of quantitative analytical chemistry, part 1 - Georges LOGNAY - [6h SEM]</i>	18	-	[+]	2
CHIM9242-2	<i>Fundamentals of quantitative analytical chemistry, part 2 - Georges LOGNAY</i>	72	-	-	6
BIOL2017-1	<i>Biological chemistry, 1st part - Bernard WATHELET</i>	16	8	-	2
BIOL2017-2	<i>Biological chemistry, 2nd part - Michel PAQUOT</i>	12	12	-	2
BIOL2019-1	<i>Theoretical and physical chemistry applied to structural analysis of biomolecules - N... - Suppl : Bernard WATHELET</i>	36	48	-	7
<b>Bio-industries and food industry</b>					
BIAA0003-1	<i>Food and agro-food engineering, 1st part - Philippe THONART</i>	24	24	-	4
BIAA0001-1	<i>Techniques of food preparation and preservation - - Suppl : Christophe BLECKER</i>	24	-	-	2

### Rural and environmental engineering

#### Languages and human sciences

DROI0966-1	<i>Law - Gaëtan GOISSE</i>	24	-	-	2
LANG0906-2	<i>English language, part 2 - Marie-Anne DUFFELER</i>	16	32	-	4

#### Bases of living productions

FORE0001-1	<i>Forests and forest ecosystems - Jacques RONDEUX - [5h SEM]</i>	19	-	[+]	2
AGRO0001-1	<i>Compared agriculture - N... - Suppl : Bernard BODSON, Guy MERGEAI - [2h FT]</i>	34	-	[+]	3
SPRA0001-1	<i>Animal production - André THEWIS</i>	24	-	-	2

#### Science of the environment

ENVT2043-1	<i>Elements of human and economic geography</i> - Claude FELTZ	24	-	-	2
ENVT2044-1	<i>General ecology</i> - Grégory MAHY	28	20	-	4
GEOP0002-1	<i>Pedology</i> - Laurent BOCK - [6h FT]	42	-	[+]	4
HYDR0001-1	<i>General Hydrology</i> - N... - Suppl : Aurore DEGRE	24	-	-	2
<b>Biological sciences</b>					
BIOL2013-1	<i>General microbiology</i> - Daniel PORTETELLE	32	16	-	4
BIOL2015-1	<i>Molecular biology, 1st part</i> - Richard KETTMANN	24	-	-	2
BIOL2016-1	<i>Principles of genetics, 1st part</i> - Jean-Pierre BAUDOIN	24	-	-	2
<b>Engineering Science</b>					
INGE0001-1	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	15	15	-	2,5
INGE0004-1	<i>Construction processes</i> - Pierre LATTEUR - [6h SEM, 3h FT]	22	17	[+]	4
INGE0005-1	<i>Kinematics and dynamics of machines</i> - Marie-France DESTAIN - [4h FT]	18	20	[+]	3,5
INGE0003-1	<i>Engine</i> - Charles DEBOUCHE	24	-	-	2
STAT1207-1	<i>Applied statistics</i> - Jean-Jacques CLAUSTRIAUX	30	30	-	5
INFO2038-1	<i>Computer science and algorithmic</i> - Yves BROSTAU	18	6	-	2
INGE0002-1	<i>Refrigeration and drying, part 1</i> - N... - Suppl : François BERA	20	4	-	2
<b>Waters, forests, land</b>					
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
ENVT2045-1	<i>Surveying</i> - Charles DEBOUCHE	15	9	-	2

### Environmental management and regional planning

#### Languages and human sciences

DROI0966-1	<i>Law</i> - Gaëtan GOISSE	24	-	-	2
LANG0906-2	<i>English language, part 2</i> - Marie-Anne DUFFELER	16	32	-	4

#### Bases of living productions

FORE0001-1	<i>Forests and forest ecosystems</i> - Jacques RONDEUX - [5h SEM]	19	-	[+]	2
AGRO0001-1	<i>Compared agriculture</i> - N... - Suppl : Bernard BODSON, Guy MERGEAI - [2h FT]	34	-	[+]	3
SPRA0001-1	<i>Animal production</i> - André THEWIS	24	-	-	2

#### Science of the environment

ENVT2043-1	<i>Elements of human and economic geography</i> - Claude FELTZ	24	-	-	2
ENVT2044-1	<i>General ecology</i> - Grégory MAHY	28	20	-	4
GEOP0002-1	<i>Pedology</i> - Laurent BOCK - [6h FT]	42	-	[+]	4
HYDR0001-1	<i>General Hydrology</i> - N... - Suppl : Aurore DEGRE	24	-	-	2

#### Biological sciences

BIOL2013-1	<i>General microbiology</i> - Daniel PORTETELLE	32	16	-	4
BIOL2015-1	<i>Molecular biology, 1st part</i> - Richard KETTMANN	24	-	-	2
BIOL2015-2	<i>Molecular biology, 2nd part</i> - Richard KETTMANN	24	-	-	2
BIOL2016-1	<i>Principles of genetics, 1st part</i> - Jean-Pierre BAUDOIN	24	-	-	2
BIOL2016-2	<i>Principles of genetics, 2nd part</i> - Jean-Pierre BAUDOIN	18	-	-	1,5
BIOL2018-1	<i>Nutrition and dietetic</i> - André THEWIS	24	-	-	2

#### Engineering Science

INGE0001-1	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	15	15	-	2,5
INGE0004-1	<i>Construction processes</i> - Pierre LATTEUR - [6h SEM, 3h FT]	22	17	[+]	4
STAT1207-1	<i>Applied statistics</i> - Jean-Jacques CLAUSTRIAUX	30	30	-	5
INFO2038-1	<i>Computer science and algorithmic</i> - Yves BROSTAU	18	6	-	2

#### Waters, forests, land

VEGE0021-1	<i>Limnology</i> - Frédéric FRANCIS - [4h SEM]	10	10	[+]	2
GEOP0003-1	<i>Pedogenesis and soil classification</i> - Laurent BOCK	24	-	-	2
HYDR0002-1	<i>Water flow in soils</i> - N... - Suppl : Aurore DEGRE	24	-	-	2
ENVT2045-1	<i>Surveying</i> - Charles DEBOUCHE	15	9	-	2

### Nature, waters and forests

#### Languages and human sciences

DROI0966-1	<i>Law</i> - Gaëtan GOISSE	24	-	-	2
LANG0906-2	<i>English language, part 2</i> - Marie-Anne DUFFELER	16	32	-	4

#### Bases of living productions

FORE0001-1	<i>Forests and forest ecosystems</i> - Jacques RONDEUX - [5h SEM]	19	-	[+]	2
AGRO0001-1	<i>Compared agriculture</i> - N... - Suppl : Bernard BODSON, Guy MERGEAI - [2h FT]	34	-	[+]	3
SPRA0001-1	<i>Animal production</i> - André THEWIS	24	-	-	2

#### Science of the environment

ENVT2043-1	<i>Elements of human and economic geography</i> - Claude FELTZ	24	-	-	2
ENVT2044-1	<i>General ecology</i> - Grégory MAHY	28	20	-	4
GEOP0002-1	<i>Pedology</i> - Laurent BOCK - [6h FT]	42	-	[+]	4
HYDR0001-1	<i>General Hydrology</i> - N... - Suppl : Aurore DEGRE	24	-	-	2
<b>Biological sciences</b>					
BIOL2013-1	<i>General microbiology</i> - Daniel PORTETELLE	32	16	-	4
BIOL2015-1	<i>Molecular biology, 1st part</i> - Richard KETTMANN	24	-	-	2
BIOL2016-1	<i>Principles of genetics, 1st part</i> - Jean-Pierre BAUDOIN	24	-	-	2
BIOL2016-2	<i>Principles of genetics, 2nd part</i> - Jean-Pierre BAUDOIN	18	-	-	1,5
<b>Engineering Science</b>					
INGE0001-1	<i>Strength of materials and elasticity</i> - Pierre LATTEUR	15	15	-	2,5
STAT1207-1	<i>Applied statistics</i> - Jean-Jacques CLAUSTRIAUX	30	30	-	5
INFO2038-1	<i>Computer science and algorithmic</i> - Yves BROSTAUX	18	6	-	2
INGE0002-1	<i>Refrigeration and drying, part 1</i> - N... - Suppl : François BERA	20	4	-	2
<b>Waters, forests, land</b>					
VEGE0021-1	<i>Limnology</i> - Frédéric FRANCIS - [4h SEM]	10	10	[+]	2
FORE0020-1	<i>Introduction to forest mensuration</i> - Jacques RONDEUX - [2h FT]	14	8	[+]	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
FORE0024-1	<i>Wood anatomy and identification</i> - N... - Suppl : Benoît JOUREZ	12	12	-	2
ENVT2045-1	<i>Surveying</i> - Charles DEBOUCHE	15	9	-	2