

#### Block view of the study programme

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#### Block 1

##### Compulsory courses

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| BIOL2045-1 | <i>Biology basis</i> - Patrick DU JARDIN, Ludivine LASSOIS - Suppl :<br>Caroline DE CLERCK  | Q1 | 18 | 6  | -   | 3 |
| BOTA0412-1 | <i>Botany : Organization of seed plants</i> - Patrick DU JARDIN   | Q1 | 24 | 20 | -   | 4 |
| BOTA0413-1 | <i>Botany : Diversity and evolution of plants</i> - Patrick DU JARDIN - [4h FT]   | Q2 | 20 | 16 | [+] | 3 |
| CHIM9267-1 | <i>Chemistry of equilibria</i> - Aurore RICHEL - [8h REM]   | Q2 | 20 | 21 | [+] | 4 |
| CHIM9268-1 | <i>Chemistry: from the atom to the molecule</i> - MarieLaure FAUCONNIER - [10h<br>REM, 8h AUTR]                                     | Q1 | 31 | 36 | [+] | 7 |
| ENVT0044-1 | <i>Current environmental issues : project</i> - Catherine COLAUX - [3h AUTR]  | Q1 | 10 | 4  | [+] | 2 |
| GBLX2131-2 | <i>Biosphere, agriculture and society</i> - Benjamin DUMONT , Grégory MAHY -<br>[2h SEM]  | Q2 | 42 | -  | [+] | 4 |
| GEOPO008-1 | <i>Earth sciences: from the mineral to geospheres</i> - Frédéric BOULVAIN,<br>JeanThomas CORNELIS - Suppl : Marie DINCHER - [8h FT] | Q2 | 30 | 16 | [+] | 4 |
| MATH0494-1 | <i>General mathematics 1</i> - Catherine CHARLES - [8h REM, 10h AUTR]   | Q1 | 22 | 24 | [+] | 4 |
| MATH0493-1 | <i>General mathematics 2</i> - Catherine CHARLES - [8h REM]   | Q2 | 18 | 22 | [+] | 4 |
| PHYS3024-1 | <i>General physics: Thermodynamics</i> - Bernard LONGDOZ, Geoffroy LUMAY -<br>[8h REM]  | Q1 | 16 | 18 | [+] | 3 |
| PHYS3025-1 | <i>General physics: Mechanics particle</i> - Bernard LONGDOZ - Suppl :<br>Pierre DUMORTIER - [8h REM]                               | Q2 | 28 | 28 | [+] | 5 |
| ZOOL2016-1 | <i>Zoology : Basic concepts</i> - Eric HAUBRUGE - [2h AUTR]   | Q1 | 22 | -  | [+] | 2 |
| ZOOL2017-1 | <i>Zoology: animal diversity and evolution</i> - François VERHEGGEN - [3h FT]   | Q1 | 10 | 20 | [+] | 3 |
| ZOOL2018-1 | <i>Zoology: animal behaviour</i> - François VERHEGGEN - [2h AUTR]   | Q2 | 20 | -  | [+] | 2 |
| ZOOL2019-1 | <i>Zoology: Entomology, Entomology</i> - Frédéric FRANCIS   | Q2 | -  | 22 | -   | 2 |

##### Optional courses

Attribution du cours de langue pour un total de 4 crédits, sur base du test de niveau :

|            |  |    |   |    |     |   |
|------------|--|----|---|----|-----|---|
| LANG2950-1 | <i>English language: level 1</i> - Estelle MAYARD - [48h E-Lrng]   | TA | - | 24 | [+] | 4 |
| LANG2962-2 | <i>English language: level 2</i> - Sophie DEPOTERRE, Annabel FOREST - Suppl :<br>Ivan DOSEN - [48h E-Lrng] | TA | - | 24 | [+] | 4 |

##### Learning support activities

|            |   |    |   |   |     |   |
|------------|---|----|---|---|-----|---|
| IREM0006-1 | <i>#BloqueBooster: supervised exam revision in the Spring holidays</i> -<br>Stéphanie GENDARME - [5d REM]   | Q2 | - | - | [+] | - |
| IREM0007-1 | <i>Zen@etudes: How and why to manage stress? (reduced course loads)</i> -<br>Sandrine WUIDART - [2h REM]  | Q2 | - | - | [+] | - |
| IREM0008-1 | <i>Keeping or increasing motivation in a context of a reduced course loads</i> -<br>Céline MATHY, Sandrine WUIDART - [2h REM]                           | Q2 | - | - | [+] | - |
| IREM0009-1 | <i>Hebdo MethodO support with additional help in connection to the context of<br/>repeating a year</i> - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM] | TA | - | - | [+] | - |
| IREM0018-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year<br/>(Q1)</i> - Céline MATHY, Sandrine WUIDART - [2h REM]                   | Q1 | - | - | [+] | - |
| IREM0019-1 | <i>Zen@etudes: The hows and whys of stress management (fewer than 30<br/>credits approved - Q1)</i> - Sandrine WUIDART - [2h REM]                       | Q1 | - | - | [+] | - |
| IREM0020-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year<br/>(Q2)</i> - Céline MATHY, Sandrine WUIDART - [2h REM]                   | Q2 | - | - | [+] | - |

|            |  |    |   |   |     |   |
|------------|--|----|---|---|-----|---|
| IREM0021-1 | <i>Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2)</i> - Sandrine WUIDART - [2h REM]                   | Q2 | - | - | [+] | - |
| LREM0005-1 | <i>Taking stock of your French skills (Q2)</i> - Marielle MARÉCHAL - [15h REM]   | Q2 | - | - | [+] | - |
| LREM0010-1 | <i>Taking stock of your skills in French (Q1)</i> - Samia HAMMAMI, Frédéric SAENEN - [15h REM]   | Q1 | - | - | [+] | - |
| RREM0001-1 | <i>Remediation General mathematics 1 with reduced course load (MATH0494-1)</i> - Catherine CHARLES - [40h REM]                         | Q2 | - | - | [+] | - |
| RREM0002-1 | <i>Remediation Chemistry from the atom to the molecule (CHIM9268-1)</i> - Georges LOGNAY - [20h REM]                                   | TA | - | - | [+] | - |
| RREM0003-1 | <i>Remediation Thermodynamics (PHYS3024-1)</i> - Geoffroy LUMAY - [20h REM]  | Q1 | - | - | [+] | - |
| RREM0004-1 | <i>Making a lighter course load a pathway to success: Working methods and organisation</i> - Catherine COLAUX - [3h REM]               | Q2 | - | - | [+] | - |
| RREM0005-1 | <i>Remedial mathematics 1 (no reduced course loads) (MATH0494-1)</i> - Catherine CHARLES - [22h REM]                                   | Q2 | - | - | [+] | - |
| RREM0006-1 | <i>Remediation in Mathematics Part I (MATH0494-1)</i> - Catherine CHARLES - [40h REM]  | Q1 | - | - | [+] | - |
| RREM0007-1 | <i>Efficient organisation of personal work</i> - Catherine COLAUX  | TA | - | - | -   | - |
| RREM0008-1 | <i>Integrating theory and practice into a single tool: application to mathematics</i> - Catherine CHARLES, Catherine COLAUX - [3h REM] | Q1 | - | - | [+] | - |
| RREM0009-1 | <i>Planning your January session &amp; organising your exam and study session</i> - Catherine COLAUX - [3h REM]                        | Q1 | - | - | [+] | - |
| RREM0010-1 | <i>Learning support activities in particle mechanics (PHYS3025-1)</i> - Bernard LONGDOZ - [20h REM]                                    | Q2 | - | - | [+] | - |
| RREM0011-1 | <i>Planning your June session</i> - Catherine COLAUX - [3h REM]  | Q2 | - | - | [+] | - |

#### Block 2

#### Compulsory courses

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| BIAA0002-1 | <i>Agriculture and food technology</i> - Mohamed AYADI   | Q2 | 24 | -  | -   | 2 |
| BIOL2011-1 | <i>Animal and human physiology</i> - Yves BECKERS, Jérôme BINDELLE, Nicolas GENGLER, Martine SCHROYEN  | Q2 | 40 | 8  | -   | 4 |
| BOTA0414-1 | <i>Systematic botany</i> - Pierre DELAPLACE, Patrick DU JARDIN   | TA | 10 | 22 | -   | 3 |
| CHIM9238-3 | <i>Analytical chemistry</i> - Philippe MAESEN, Giorgia PURCARO   | Q2 | 16 | 32 | -   | 4 |
| CHIM9239-2 | <i>Chemistry of renewable resources</i> - Aurore RICHEL<br><b>Prerequisite :</b><br>CHIM9268-1 - Chimie : De l'atome à la molécule             | Q2 | 36 | -  | -   | 3 |
| CHIM9255-3 | <i>Organic Chemistry</i> - MarieLaure FAUCONNIER   | Q1 | 21 | 27 | -   | 4 |
| ECON2244-1 | <i>Political and social economy, Introduction</i> - Thomas DOGOT, Kevin MARÉCHAL   | Q2 | 32 | 16 | -   | 4 |
| ELEC0438-1 | <i>Electricity</i> - Bernard HEINESCH<br><b>Prerequisite :</b><br>MATH0494-1 - Mathématique générale 1<br>MATH0493-1 - Mathématique générale 2 | Q1 | 24 | 36 | -   | 5 |
| FORE0001-2 | <i>Forest ecosystem management</i> - Hugues CLAESSENS, JeanLouis DOUCET<br><b>Corequisite :</b><br>GEOP0009-1 - Science du sol                 | Q2 | 24 | -  | -   | 2 |
| GEOP0009-1 | <i>Ground science</i> - JeanThomas CORNELIS - Suppl : Marie DINCHER - [6h AUTR]<br><b>Prerequisite :</b>                                       | Q2 | 44 | 8  | [+] | 5 |

|            |   |    |          |   |
|------------|---|----|----------|---|
|            | GEOP0008-1 - Sciences de la Terre : Du minéral aux géosphères   |    |          |   |
| INFO2037-1 | <i>Introduction to computer science</i> - Hélène SOYEURT  | Q1 | 6 18 -   | 2 |
| MATH0485-3 | <i>General mathematics 3</i> - Catherine CHARLES<br><b>Prerequisite :</b><br>MATH0494-1 - Mathématique générale 1   | Q1 | 14 21 -  | 3 |
| MECA0519-1 | <i>Mechanics of rigid bodies</i> - Benoît MERCATORIS<br><b>Prerequisite :</b><br>MATH0494-1 - Mathématique générale 1<br>PHYS3025-1 - Physique générale : Mécanique particule | Q1 | 12 12 -  | 2 |
| PHYS3026-1 | <i>General physics : fluid dynamics and photometry</i> - Laurent DREESEN, Benoît MERCATORIS   | Q2 | 9 15 -   | 2 |
| SOCI2233-1 | <i>Sociology, Sociology</i> - Julie GÉRARD  | Q1 | 24 - -   | 2 |
| STAT2002-1 | <i>Fundamental statistics, first part</i> - Yves BROSTAUX   | Q1 | 18 18 -  | 3 |
| STAT2003-1 | <i>Basic statistics, part 2</i> - Yves BROSTAUX<br><b>Corequisite :</b><br>STAT2002-1 - Statistique fondamentale, 1ère partie   | Q2 | 12 12 -  | 2 |
| ZOOL2020-1 | <i>Zoology: Evolution</i> - Eric HAUBRUGE - [5h AUTR]   | Q1 | 22 - [+] | 3 |
| GBLX2154-1 | <i>Bioengineering philosophy and ethics</i> - Thibault DE MEYER, Patrick DU JARDIN  | Q1 | 24 - -   | 1 |

#### Optional courses

Poursuite du cours de langue attribué en bloc 1 :

|            |  |    |          |   |
|------------|--|----|----------|---|
| LANG2962-1 | <i>English language: level 2</i> - Sophie DEPOTERRE, Annabel FOREST - Suppl : Ivan DOSEN - [48h E-Lrng]<br><b>Prerequisite :</b><br>LANG2950-1 - Langue anglaise : niveau 1  | TA | - 24 [+] | 4 |
| LANG2966-3 | <i>English language: level 3</i> - Sophie DEPOTERRE, Estelle MAYARD, Fiona THEWISSEN - Suppl : John ALOBWEDE NGOME, Fiona THEWISSEN - [48h E-Lrng]<br><b>Prerequisite :</b><br>LANG2962-2 - Langue anglaise : niveau 2 | TA | - 24 [+] | 4 |

#### Block 3

##### Compulsory courses

|            |   |    |                    |   |
|------------|---|----|--------------------|---|
| GEST3028-2 | <i>Accounting and management</i><br>- <i>General accounting</i> - Thomas DOGOT<br>- <i>Management, green accounting and business plan</i> - Thomas DOGOT  | Q1 | 12 12 -<br>10 14 - | 4 |
| GEST3773-1 | <i>Management of quality</i> - Mohamed AYADI, Sébastien MASSART - [6h AUTR]   | Q1 | 18 - [+]           | 2 |
| STAT2004-1 | <i>Applied statistics : First part</i> - Yves BROSTAUX<br><b>Prerequisite :</b><br>STAT2003-1 - Statistique fondamentale, 2e partie   | Q1 | 12 12 -            | 2 |
| STAT2005-1 | <i>Applied statistic : Second part</i> - Yves BROSTAUX<br><b>Corequisite :</b><br>STAT2004-1 - Statistique appliquée : 1ère partie  | Q2 | 12 12 -            | 2 |
| PSYC5897-3 | <i>Team, organization and change</i> - Daniel FAULX, Véronique JANS, Tiber MANFREDINI - [44h SEM]<br><b>Corequisite :</b><br>MANA0003-1 - Portfolio (Bachelier)<br>GEST3773-1 - Gestion de la qualité<br>GEST3028-2 - Comptabilité et gestion des entreprises | TA | 4 - [+]            | 2 |

*Notice :* This course is only accessible to students who are towards the end of the cycle (i.e. students who still have to achieve a maximum of 64 credits in the Bachelor programme) and who meet the co-requisite conditions.

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| MANA0003-1 | <i>Portfolio (Bachelor)</i> - Yves BECKERS, Hugues CLAESSENS, Gilles COLINET, Aurore DEGRÉ, Dorothée GOFFIN - [24h AUTR]<br><b>Corequisite :</b><br>PSYC5897-3 - Equipe, organisation & changement                     | TA | -  | -  | [+] | 2 |
| RSTG0008-1 | <i>Internship (Bachelor)</i> - Hélène SOYEURT - [18h AUTR]   | TA | 6  | -  | [+] | 2 |
| BIOL2044-1 | <i>Plant physiology</i> - Patrick DU JARDIN<br><b>Prerequisite :</b><br>BIOL2045-1 - Fondements de biologie  | Q1 | 27 | 9  | -   | 3 |
| BIOL2013-2 | <i>General microbiology, Introduction</i> - Patrick FICKERS, Philippe JACQUES<br><b>Prerequisite :</b><br>BIOL2045-1 - Fondements de biologie  | Q1 | 16 | 8  | -   | 2 |
| ENVT2044-1 | <i>General ecology</i> - Grégory MAHY, Arnaud MONTY<br><b>Prerequisite :</b><br>BOTA0414-1 - Botanique systématique<br>GBLX2131-2 - Biosphère, agriculture et société  | Q1 | 24 | -  | -   | 2 |
| INFO2038-1 | <i>Computer science and algorithmic</i> - Hélène SOYEURT<br><b>Prerequisite :</b><br>INFO2037-1 - Introduction à l'informatique  | Q1 | 2  | 22 | -   | 2 |
| MATH2016-1 | <i>General mathematics and modelling of dynamics systems</i> - Jérôme BINDELLE, Catherine CHARLES, Frank DELVIGNE, Adeline FAYOLLE, Benoît MERCATORIS<br><b>Prerequisite :</b><br>MATH0485-3 - Mathématique générale 3 | Q1 | 24 | 24 | -   | 4 |
| PHYS3036-1 | <i>Environmental physics</i> - Bernard LONGDOZ<br><b>Prerequisite :</b><br>PHYS3026-1 - Physique générale : mécanique des fluides et photométrie   | Q1 | 18 | 18 | -   | 3 |
| LANG2966-2 | <i>English language: level 3</i> - Sophie DEPOTERRE, Estelle MAYARD, Fiona THEWISSEN - Suppl : John ALOBWEDE NGOME, Fiona THEWISSEN - [48h E-Lrng]   | TA | -  | 24 | [+] | 4 |

#### Optional courses

Choose one course from the following :

If the student do not complete an Erasmus trip at the end of the Bachelor :

|            |   |    |   |   |     |   |
|------------|---|----|---|---|-----|---|
| INGE0008-1 | <i>Multidisciplinary experimental project</i> - Yves BROSTAUX, Pierre DELAPLACE, Sébastien MASSART, Benoît MERCATORIS, Arnaud MONTY, Bernard POCHET - [60h AUTR]<br><b>Corequisite :</b><br>ENVT2044-1 - Ecologie générale<br>BIOL2044-1 - Physiologie végétale<br>GEST3773-1 - Gestion de la qualité<br>STAT2005-1 - Statistique appliquée : 2ème partie<br>STAT2004-1 - Statistique appliquée : 1ère partie | TA | 6 | 6 | [+] | 6 |
|------------|---|----|---|---|-----|---|

If the student complete an Erasmus trip at the end of the Bachelor :

|            |   |    |   |   |     |   |
|------------|---|----|---|---|-----|---|
| DOCU0449-3 | <i>Scientific literature and information literacy</i> - Bernard POCHET - [14h AUTR] | Q1 | 4 | 6 | [+] | 2 |
|------------|---|----|---|---|-----|---|

Choose one option from the following :

#### Agronomy

|            |   |    |    |   |     |   |
|------------|---|----|----|---|-----|---|
| AGRO0001-1 | <i>Basic principles of agriculture and agroecology</i> - Pierre DELAPLACE, Benjamin DUMONT - [4h FT]                                  | Q2 | 20 | - | [+] | 2 |
| AGRO0002-1 | <i>Fertilization and crop nutrition</i> - Caroline DE CLERCK, Patrick DU JARDIN, Benjamin DUMONT - [2h AUTR]<br><b>Prerequisite :</b> | Q2 | 18 | 4 | [+] | 2 |

|  |   |    |    |    |     |  |  |   |
|--|---|----|----|----|-----|--|--|---|
|  | GEOP0009-1 - Science du sol<br><b>Corequisite :</b><br>BIOL2044-1 - Physiologie végétale<br>AGRO0001-1 - Fondement d'agriculture et d'agroécologie  |    |    |    |     |  |  |   |
| AGRO0021-1                                     | <i>Introduction to cultivation techniques and levers</i> - Benjamin DUMONT ,<br>Ludivine LASSOIS - Suppl : Nicolas DESOIGNIES - [4h AUTR]<br><b>Corequisite :</b><br>AGRO0001-1 - Fondement d'agriculture et d'agroécologie | Q2 | 20 | -  | [+] |  |  | 2 |
| BIOL2015-3                                     | <i>Molecular biology</i> - Patrick FICKERS<br><b>Corequisite :</b><br>BIOL2016-3 - Génétique générale   | Q2 | 24 | -  | -   |  |  | 2 |
| BIOL2016-3                                     | <i>General genetics</i> - Nicolas GENGLER, Ludivine LASSOIS - Suppl :<br>Martine SCHROYEN<br><b>Corequisite :</b><br>BIOL2015-3 - Biologie moléculaire  | Q2 | 12 | 12 | -   |  |  | 2 |
| BIOL2018-1                                     | <i>Animal nutrition</i> - Yves BECKERS<br><b>Prerequisite :</b><br>BIOL2011-1 - Physiologie animale et humaine  | Q2 | 24 | -  | -   |  |  | 2 |
| SPRA0001-1                                     | <i>Sustainable breeding and zoogenetic resources</i> - Nicolas GENGLER - [4h<br>FT]<br><b>Corequisite :</b><br>BIOL2016-3 - Génétique générale  | Q2 | 20 | -  | [+] |  |  | 2 |
| BIOL2043-1                                     | <i>Application of molecular biology and genetics</i> - Nicolas GENGLER,<br>Ludivine LASSOIS, Martine SCHROYEN, Hervé VANDERSCHUREN,<br>Luc WILLEMS<br><b>Corequisite :</b><br>BIOL2016-3 - Génétique générale               | Q2 | -  | 24 | -   |  |  | 2 |
| INGE0002-1                                     | <i>Refrigeration and drying</i> - Nicolas JACQUET, Paul MALUMBA KAMBA<br><b>Prerequisite :</b><br>PHYS3024-1 - Physique générale : Thermodynamique  | Q2 | 18 | 6  | -   |  |  | 2 |
| <b>Chemistry and bioindustry</b>               |   |    |    |    |     |  |  |   |
| BIAA0003-1                                     | <i>Modelling physical and biological processes</i> - Frank DELVIGNE   | Q2 | 24 | -  | -   |  |  | 2 |
| BIOL2015-3                                     | <i>Molecular biology</i> - Patrick FICKERS<br><b>Corequisite :</b><br>BIOL2016-3 - Génétique générale   | Q2 | 24 | -  | -   |  |  | 2 |
| BIOL2016-3                                     | <i>General genetics</i> - Nicolas GENGLER, Ludivine LASSOIS - Suppl :<br>Martine SCHROYEN<br><b>Corequisite :</b><br>BIOL2015-3 - Biologie moléculaire  | Q2 | 12 | 12 | -   |  |  | 2 |
| BIOL2019-1                                     | <i>Theoretical chemistry and physics applied to biomoleculs structural<br/>analysis</i> - Christian DAMBLON, Loïc QUINTON   | Q2 | 24 | 24 | -   |  |  | 4 |
| CHIM9269-2                                     | <i>Catalysis</i> - MarieLaure FAUCONNIER - [2h AUTR]  | Q2 | 6  | 12 | [+] |  |  | 2 |
| CHIM9242-4                                     | <i>Fundamentals of quantitative analytical chemistry</i> - Giorgia PURCARO<br><b>Prerequisite :</b><br>CHIM9238-3 - Chimie analytique   | Q2 | 16 | 32 | -   |  |  | 4 |
| ALIM0013-2                                     | <i>Techniques of food preservation</i> - Christophe BLECKER   | Q2 | 24 | -  | -   |  |  | 2 |
| <b>Environmental sciences and technologies</b> |   |    |    |    |     |  |  |   |
| GERE0036-1                                     | <i>Instrumentation: sensors and signals</i> - Benoît MERCATORIS<br><b>Prerequisite :</b><br>ELEC0438-1 - Electricité<br><b>Corequisite :</b><br>MATH2016-1 - Mathématique générale et modélisation des systèmes dynamiques  | Q2 | 24 | 24 | -   |  |  | 4 |
| HYDR0001-1                                     | <i>General hydrology</i> - Aurore DEGRÉ   | Q2 | 14 | 10 | -   |  |  | 2 |

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| HYDR0007-3 | <i>Fluid mechanics</i> - Michel PIROTON<br><b>Prerequisite :</b><br>PHYS3026-1 - Physique générale : mécanique des fluides et photométrie<br>MATH0485-3 - Mathématique générale 3  | Q2 | 14 | 10 | -   | 2 |
| INGE0001-2 | <i>Strength of materials and elasticity</i><br>- <i>Introduction</i> - Laurent DUCHENE<br>- <i>In-depth study</i> - Laurent DUCHENE<br><b>Prerequisite :</b><br>MATH0485-3 - Mathématique générale 3<br>MECA0519-1 - Mécanique du corps rigide | Q2 |    |    |     | 3 |
|            |  |    | 24 | -  | -   |   |
|            |  |    | 12 | -  | -   |   |
| PHYS3010-2 | <i>Bioclimatology basis</i> - Bernard LONGDOZ - Suppl : Bernard HEINESCH<br><b>Prerequisite :</b><br>PHYS3026-1 - Physique générale : mécanique des fluides et photométrie   | Q2 | 24 | -  | -   | 2 |
| ENVT3129-1 | <i>Evaluating sustainability</i> - Andrea DI MARIA, Angélique LÉONARD - [2h SEM]   | Q2 | 12 | 16 | [+] | 3 |

Select 1 course from Environmental sciences and technologies subject :

|            |  |    |    |   |     |   |
|------------|--|----|----|---|-----|---|
| AGRO0001-1 | <i>Basic principles of agriculture and agroecology</i> - Pierre DELAPLACE, Benjamin DUMONT - [4h FT]   | Q2 | 20 | - | [+] | 2 |
| INGE0002-1 | <i>Refrigeration and drying</i> - Nicolas JACQUET, Paul MALUMBA KAMBA<br><b>Prerequisite :</b><br>PHYS3024-1 - Physique générale : Thermodynamique | Q2 | 18 | 6 | -   | 2 |

#### Management of forests and natural areas

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| AGRO0001-1 | <i>Basic principles of agriculture and agroecology</i> - Pierre DELAPLACE, Benjamin DUMONT - [4h FT]   | Q2 | 20 | -  | [+] | 2 |
| BIOL2015-3 | <i>Molecular biology</i> - Patrick FICKERS<br><b>Corequisite :</b><br>BIOL2016-3 - Génétique générale  | Q2 | 24 | -  | -   | 2 |
| BIOL2016-3 | <i>General genetics</i> - Nicolas GENGLER, Ludivine LASSOIS - Suppl : Martine SCHROYEN<br><b>Corequisite :</b><br>BIOL2015-3 - Biologie moléculaire  | Q2 | 12 | 12 | -   | 2 |
| FORE0021-2 | <i>Tree species in temperate regions</i> - Arnaud MONTY<br><b>Prerequisite :</b><br>BOTA0414-1 - Botanique systématique  | Q2 | 12 | 12 | -   | 2 |
| FORE0022-3 | <i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS - [12h AUTR]<br><b>Prerequisite :</b><br>FORE0001-2 - Gestion des écosystèmes forestiers                              | Q2 | 12 | 2  | [+] | 2 |
| HYDR0001-1 | <i>General hydrology</i> - Aurore DEGRÉ  | Q2 | 14 | 10 | -   | 2 |
| INGE0001-4 | <i>Strength of materials and elasticity, Introduction</i> - Laurent DUCHENE<br><b>Prerequisite :</b><br>MATH0485-3 - Mathématique générale 3<br>MECA0519-1 - Mécanique du corps rigide     | Q2 | 24 | -  | -   | 2 |
| PAYS0006-2 | <i>Landscape ecology concepts</i> - Jan BOGAERT<br><b>Prerequisite :</b><br>BOTA0413-1 - Botanique : Diversité et évolution des végétaux<br>GBLX2131-2 - Biosphère, agriculture et société | Q2 | 12 | 12 | -   | 2 |
| PHYS3010-2 | <i>Bioclimatology basis</i> - Bernard LONGDOZ - Suppl : Bernard HEINESCH<br><b>Prerequisite :</b><br>PHYS3026-1 - Physique générale : mécanique des fluides et photométrie                 | Q2 | 24 | -  | -   | 2 |

#### Optional activities

|            |   |    |   |   |   |   |
|------------|---|----|---|---|---|---|
| RSTG0012-1 | <i>Additional internship</i> - Aurore DEGRÉ | TA | - | - | - | 5 |
|------------|---|----|---|---|---|---|

|            |   |    |    |    |   |          |
|------------|---|----|----|----|---|----------|
| VEGE0045-1 | <i>Permaculture and systemic design</i> - Caroline DE CLERCK, Haissam JIJAKLI | Q2 | 36 | 12 | - | <b>4</b> |
| HULG9544-1 | <i>French course for IN mobility students (S1)</i> - N...                     | Q1 | -  | -  | - | <b>3</b> |
| HULG9545-1 | <i>French course for IN mobility students (S2)</i> - N...                     | Q2 | -  | -  | - | <b>3</b> |
| HULG9546-1 | <i>Erasmus: integration weeks</i> - N...                                      | Q1 | -  | -  | - | <b>3</b> |