

## First Year

### Compulsory courses

|            |  |    |    |   |           |
|------------|--|----|----|---|-----------|
| MATH0009-1 | <i>General mathematics</i>   |    |    |   | <b>10</b> |
|            | - Part A (S1 - Common courses) - Françoise BASTIN  | 30 | 30 | - |           |
|            | - Part B (S2) - Françoise BASTIN   | 15 | 15 | - |           |
| PHYS0088-1 | <i>Physics</i>   |    |    |   | <b>9</b>  |
|            | - Part A (S1 - Common courses) - Nicolas VANDEWALLE  | 30 | 30 | - |           |
|            | - Part B (S2) - Philippe GHOSEZ - Suppl : Julien VARIGNON  | 15 | 10 | - |           |
| CHIM0099-1 | <i>Chemistry</i>   |    |    |   | <b>16</b> |
|            | - part A (S1 - Common courses) - Rudi CLOOTS   | 30 | 30 | - |           |
|            | - part B (S2) - Rudi CLOOTS  | 50 | 30 | - |           |
| BIOL0006-1 | <i>Biology, part A (S1 - Common courses)</i> - Marc THIRY  | 30 | 30 | - | <b>6</b>  |
| STER0001-1 | <i>Introduction to geography and geology, (Q1 - Tronc commun)</i> - JeanPaul DONNAY, Michel ERPICUM, JeanMarie HALLEUX, Edouard POTY | 10 | -  | - | <b>1</b>  |
| BIOL2003-1 | <i>Animal Biology, (Q2)</i> - JeanMarie BOUQUEGNEAU  | 45 | 35 | - | <b>8</b>  |
| BIOL2004-1 | <i>Plant biology, (Q2)</i> - Claire REMACLE  | 30 | 30 | - | <b>6</b>  |
| LANG0076-1 | <i>English 1, (Q1 + Q2) (english language)</i> - Véronique DOPPAGNE, ISLV  | 45 | -  | - | <b>4</b>  |

## Second year

### Compulsory courses

|            |   |    |    |     |           |
|------------|---|----|----|-----|-----------|
| PHYS0903-1 | <i>General Physics II</i> - Philippe GHOSEZ - Suppl : Julien VARIGNON   | 40 | 30 | -   | <b>6</b>  |
| CRIS0203-1 | <i>Elements in crystallography</i> - Rudi CLOOTS  | 15 | 15 | -   | <b>3</b>  |
| CHIM0254-1 | <i>Biological analytical chemistry</i> - Gauthier EPPE, Valérie GABELICA  | 20 | 40 | -   | <b>6</b>  |
| GEOL0311-1 | <i>Geology and elements of paleontology</i> - Emmanuelle JAVAUX - [4d FW]   | 25 | 15 | [+] | <b>6</b>  |
| BIOL0518-1 | <i>Biodiversity and ecology (including field training courses)</i> - Gabriel CASTILLO CABELLO, Eric PARMENTIER, JeanPierre THOMÉ - [12d FW] | 60 | -  | [+] | <b>11</b> |
| GENE0201-2 | <i>Genetics</i> - Claire REMACLE  | 30 | 15 | -   | <b>5</b>  |
| BIOL0214-1 | <i>Cell physiology and vegetal histology</i> - Patrick MOTTE, Claire PÉRILLEUX  | 30 | 20 | -   | <b>4</b>  |
| BIOL0215-1 | <i>Cell physiology and animals histology</i> - JeanChristophe PLUMIER, Marc THIRY   | 30 | 20 | -   | <b>4</b>  |
| BIOC0204-1 | <i>Biochemistry and thermodynamics of biological systems</i> - Moreno GALLEN  | 40 | 20 | -   | <b>6</b>  |
| LANG0077-1 | <i>English 2 (english language)</i> - Véronique DOPPAGNE, ISLV  | 45 | -  | -   | <b>4</b>  |
| INFO0205-1 | <i>Introduction to Computing</i> - Alejandro SILHANEK   | 12 | 18 | -   | <b>3</b>  |
| BIOL0019-1 | <i>Introduction to animal embryology</i> - Vincent GEENEN   | 15 | -  | -   | <b>2</b>  |

### Optional free course

|            |   |    |    |   |          |
|------------|---|----|----|---|----------|
| OCEA0053-1 | <i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT, Anne GOFFART | 15 | 25 | - | <b>4</b> |
|------------|---|----|----|---|----------|

## Third year (program transitory 2012-2013)

### Compulsory courses

|            |   |    |    |   |          |
|------------|---|----|----|---|----------|
| STAT0203-1 | <i>General statistics and data processing</i> - Adelin ALBERT               | 30 | 30 | - | <b>6</b> |
| ZOOL0205-1 | <i>Ethology and animal psychology</i> - Pascal PONCIN                       | 30 | -  | - | <b>3</b> |
| MICR0711-1 | <i>Microbiology</i>   |    |    |   | <b>7</b> |
|            | - Part 1 : Algology and mycology - Denis BAURAIN                            | 20 | 10 | - |          |
|            | - Part 2 : Bacteriology - Bernard JORIS                                     | 20 | 10 | - |          |
|            | - Part 3 : Virology - Jacques PIETTE  | 20 | 10 | - |          |
| BIOL0216-1 | <i>Animal physiology</i> - JeanChristophe PLUMIER, Marc THIRY               | 60 | 30 | - | <b>6</b> |
| BIOL0217-1 | <i>Vegetal physiology</i> - Patrick MOTTE, Claire PÉRILLEUX                 | 40 | 25 | - | <b>5</b> |
| IMMU0521-1 | <i>Immunology</i> - Catherine SADZOT  | 20 | 15 | - | <b>3</b> |
| LANG0082-1 | <i>English 3 (english language)</i> - Véronique DOPPAGNE, Ellen HARRY, ISLV | 45 | -  | - | <b>4</b> |
| PHIL1106-1 | <i>Philosophy and bioethics</i>   |    |    |   | <b>2</b> |
|            | - Part : Philosophy - Julien PIERON   | 15 | -  | - |          |
|            | - Part : Bioethics - JeanMarie BOUQUEGNEAU                                  | 15 | -  | - |          |

### Optional courses

Choose one option from the following :

**Option Biochemistry and Molecular and Cellular Biology**

|            |   |    |    |     |           |
|------------|---|----|----|-----|-----------|
| GENE0210-1 | <i>Genetics and molecular biology</i> - N... - Suppl : Jacques DOMMES, Bernard PEERS, Marianne VOZ    | 60 | 30 | -   | <b>10</b> |
| BIOC0209-3 | <i>Chemistry of biological macromolecules</i> - Moreno GALLEN, André MATAGNE - [4h 60 Vis. Ind. Pl. ] | 40 | 40 | [+] | <b>10</b> |
| STRA0044-1 | <i>Training in scientific communication</i> - Jacques DOMMES, Patrick MOTTE - [50h Internship]        | -  | -  | [+] | <b>4</b>  |

**Option Biology of Organisms and Ecology**

|            |   |    |    |     |          |
|------------|---|----|----|-----|----------|
| BIOC0001-1 | <i>Genetics, molecular biology and chemistry of biological macromolecules</i> - Jacques DOMMES, Moreno GALLEN | 30 | 30 | -   | <b>6</b> |
| BIOL0017-1 | <i>Biodiversity</i> - Bruno FREDERICH, Emmanuël SÉRUSIAUX - [3d FW]   | 40 | 35 | [+] | <b>7</b> |
| BIOL0018-1 | <i>Ecology</i><br>- Part : <i>Ecology of soil</i> - Monique CARNOL - [1d FW]                                  | 25 | 10 | [+] | <b>7</b> |
|            | - Part : <i>Ecology of freshwater</i> - JeanPierre THOMÉ - [2d FW]  | 15 | -  | [+] |          |
| STRA0045-1 | <i>Training in scientific communication</i> - Monique CARNOL, Patrick DAUBY - [50h Internship]                | -  | -  | [+] | <b>4</b> |

**Third year (perspective program 2013-2014)**

**Compulsory courses**

|            |  |    |    |   |          |
|------------|--|----|----|---|----------|
| STAT0203-1 | <i>General statistics and data processing</i> - Adelin ALBERT                  | 30 | 30 | - | <b>6</b> |
| ZOOL0205-1 | <i>Ethology and animal psychology</i> - Pascal PONCIN                          | 30 | -  | - | <b>3</b> |
| MICR0711-1 | <i>Microbiology</i><br>- Part 1 : <i>Algology and mycology</i> - Denis BAURAIN | 20 | 10 | - | <b>7</b> |
|            | - Part 2 : <i>Bacteriology</i> - Bernard JORIS                                 | 20 | 10 | - |          |
|            | - Part 3 : <i>Virology</i> - Jacques PIETTE                                    | 20 | 10 | - |          |
| BIOL0216-1 | <i>Animal physiology</i> - JeanChristophe PLUMIER, Marc THIRY                  | 60 | 30 | - | <b>6</b> |
| BIOL0217-1 | <i>Vegetal physiology</i> - Patrick MOTTE, Claire PÉRILLEUX                    | 40 | 25 | - | <b>5</b> |
| IMMU0521-1 | <i>Immunology</i> - Catherine SADZOT   | 20 | 15 | - | <b>3</b> |
| LANG0082-1 | <i>English 3 (english language)</i> - Véronique DOPPAGNE, Ellen HARRY, ISLV    | 45 | -  | - | <b>4</b> |
| PHIL1106-1 | <i>Philosophy and bioethics</i><br>- Part : <i>Philosophy</i> - Julien PIERON  | 15 | -  | - | <b>2</b> |
|            | - Part : <i>Bioethics</i> - JeanMarie BOUQUEGNEAU                              | 15 | -  | - |          |
| DOCU0033-2 | <i>Formation à l'exploitation des ressources documentaires</i>                 | 8  | 12 | - | <b>2</b> |

**Optional courses**

Choose one option from the following :

**Option Biochemistry and Molecular and Cellular Biology**

|            |   |    |    |     |          |
|------------|---|----|----|-----|----------|
| GENE0210-1 | <i>Genetics and molecular biology</i> - N... - Suppl : Jacques DOMMES, Bernard PEERS, Marianne VOZ    | 60 | 30 | -   | <b>9</b> |
| BIOC0209-3 | <i>Chemistry of biological macromolecules</i> - Moreno GALLEN, André MATAGNE - [4h 60 Vis. Ind. Pl. ] | 40 | 40 | [+] | <b>9</b> |
| STRA0044-1 | <i>Training in scientific communication</i> - Jacques DOMMES, Patrick MOTTE - [50h Internship]        | -  | -  | [+] | <b>4</b> |

**Option Biology of Organisms and Ecology**

|            |   |    |    |     |          |
|------------|---|----|----|-----|----------|
| BIOC0001-1 | <i>Genetics, molecular biology and chemistry of biological macromolecules</i> - Jacques DOMMES, Moreno GALLEN | 30 | 30 | -   | <b>6</b> |
| BIOL0017-1 | <i>Biodiversity</i> - Bruno FREDERICH, Emmanuël SÉRUSIAUX - [3d FW]   | 40 | 35 | [+] | <b>6</b> |
| BIOL0018-1 | <i>Ecology</i><br>- Part : <i>Ecology of soil</i> - Monique CARNOL - [1d FW]                                  | 25 | 10 | [+] | <b>6</b> |

|            |  |    |   |     |          |
|------------|--|----|---|-----|----------|
| STRA0045-1 | - <i>Part : Ecology of freshwater</i> - JeanPierre THOMÉ - [2d FW]                             | 15 | - | [+] |          |
|            | <i>Training in scientific communication</i> - Monique CARNOL, Patrick DAUBY - [50h Internship] | -  | - | [+] | <b>4</b> |