

First Year

Compulsory courses

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|-----------------------------|---|----|----|-----|----|
| AESS0254-1 | <i>Introduction to biology didactics</i> - Marie-Noëlle HINDRYCKX | 20 | - | - | 2 |
| Biology of Organisms | | | | | |
| GENE0438-1 | <i>Evolutionary genetics</i> - Denis BAURAIN, Johan MICHAUX, Claire REMACLE | 30 | 30 | - | 5 |
| BIOL0807-1 | <i>Taxonomy and Phylogeny</i> | | | | 10 |
| | - <i>Methodological part</i> - Emmanuël SÉRUSIAUX, Alain VANDERPOORTEN | 10 | - | - | |
| | - <i>Plant part</i> - Emmanuël SÉRUSIAUX | 20 | 15 | - | |
| | - <i>Animal part</i> - Patrick DAUBY | 40 | 30 | - | |
| PALE0209-1 | <i>Paleontology</i> - Philippe GERRIENNE, Emmanuelle JAVAUX, Edouard POTY | 40 | 30 | - | 6 |
| BIOL0808-2 | <i>Functional morphology</i> - Éric PARMENTIER - [1d Vis.] | 20 | 25 | [+] | 4 |
| ANAT0223-1 | <i>Embryology</i> - Vincent GEENEN | 20 | 15 | - | 3 |
| Ecology | | | | | |
| BIOL0809-1 | <i>Ecophysiology, ethology</i> - Mathieu DENOËL, Claire PÉRILLEUX, Jean-Christophe PLUMIER, Pascal PONCIN | 40 | 30 | - | 6 |
| BIOL0810-2 | <i>Conservation Biology</i> - Marc MORMONT, Emmanuël SÉRUSIAUX - [1d FW] | 40 | 20 | [+] | 7 |
| BIOL0811-1 | <i>Natural resources and ecosystem disruptions</i> - Monique CARNOL, Jean-Pierre THOMÉ - [2d FW] | 40 | 30 | [+] | 7 |
| BIOL0812-2 | <i>Biogeography</i> - Johan MICHAUX, Alain VANDERPOORTEN - [4d FW] | 40 | - | [+] | 6 |

Optional courses

Placement to chose in the ecology field.

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| SSTG0023-1 | <i>Training : phylogeny and ecology of Macaronesian flora</i> - Emmanuël SÉRUSIAUX - [10d FW] | - | - | - | [+] 4 |
| SSTG0024-1 | <i>Training : biodiversity, phylogeny and marine ecology</i> - Patrick DAUBY, Véronique GOOSSE, Jean-Pierre THOMÉ - [10d FW] | - | - | - | [+] 4 |

Second Year

Compulsory courses

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| SMEM0013-1 | <i>Final thesis</i> - COLLÉGIALITÉ | - | - | - | 28 |
| BIOL0843-1 | <i>Preparation to the final thesis</i> - COLLÉGIALITÉ | - | - | - | 2 |

Compulsory courses

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| STAT0750-2 | <i>Multivariate statistical analysis</i> - Adelin ALBERT | 20 | - | - | 2 |
| DOCU0448-1 | <i>Documentation training applied to biology</i> - Ninfa GRECO | 20 | - | - | 2 |
| SSTG0006-1 | <i>Training and seminars</i> - COLLÉGIALITÉ | - | - | - | 11 |

Optional courses

Choose one option from the following :

Advanced Zoology

Choose, in agreement with the Board of Studies, 5 courses, equaling 15 credits, amongst:

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| BIOL0820-1 | <i>Morphological specific aspects of vertebrates : functional approach</i> - Eric PARMENTIER | 30 | - | - | 3 |
| GEOL0071-4 | <i>Evolution of the biosphere</i> - Edouard POTY | 30 | - | - | 3 |
| GEOL0218-2 | <i>The principles and methods of evolution</i> - Edouard POTY | 30 | - | - | 3 |
| PALE0203-2 | <i>Invertebrate Paleontology</i> - Edouard POTY | 30 | - | - | 3 |
| HAAR0091-2 | <i>Archaeozoology</i> - Jean-Marie CORDY | 30 | - | - | 3 |
| ZOOL0226-1 | <i>General Entomology, 30h</i> - Michèle LONEUX | 30 | - | - | 3 |
| ZOOL0218-4 | <i>Aquariology</i> - Christian MICHEL | 30 | - | - | 3 |
| BIOL0821-1 | <i>Natural Biomaterials : ultrastructural and functional aspects</i> - Philippe COMPÈRE | 30 | - | - | 3 |

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| BIOL0114-4 | <i>Electronic microscopies</i> - Philippe COMPÈRE | 15 | - | - | 3 |
| CHIM9236-1 | <i>Microstructure of Materials : characterization techniques</i> - Catherine HENRIST | 15 | - | - | 3 |
| GEOL1022-1 | <i>Evolution of the biosphere in the Precambrian</i> - Emmanuelle JAVAUX (Odd years) | 30 | - | - | 3 |
| GEOL0263-2 | <i>Astrobiology</i> - Philippe CLAEYS, Véronique DEHANT, Moreno GALLEN, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE (Even years) | 30 | - | - | 3 |
| NEUR0434-1 | <i>Functional Neuroanatomy</i> - Jean-Christophe PLUMIER | 30 | - | - | 3 |
| BIOL0822-1 | <i>Advanced Course in Animal Physiology</i> - Jean-Christophe PLUMIER | 30 | - | - | 3 |
| NEUR0435-1 | <i>Developmental neurotoxicology</i> - Jean-Christophe PLUMIER | 30 | - | - | 3 |
| BIOL0823-1 | <i>Ultrastructural cytochemistry</i> - Philippe COMPÈRE, Marc THIRY | 30 | - | - | 3 |
| ZOOL0222-2 | <i>Physiology and biochemistry of the marine animals</i> - Philippe COMPÈRE | 30 | - | - | 3 |
| CHIM9212-1 | <i>Biological applications of radioelements</i> - Philippe COMPÈRE | 30 | - | - | 3 |
| ZOOL0227-1 | <i>Genetic foundations of aquaculture</i> - Charles MÉLARD | 30 | - | - | 3 |
| GENE0441-1 | <i>organelle genetics</i> - Claire REMACLE | 30 | - | - | 3 |
| LABO0432-2 | <i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET | 30 | - | - | 3 |
| [...] | Courses for the European certificate of complementary studies in Neurosciences, jointly organized by the University of Liege and the University of Maastricht | | | | |
| [...] | With the agreement of the Board of Studies and the dissertation supervisor, students have the possibility to choose one or two courses from another option or another Masters. Each course equals 3 credits. | | | | |

Further Botany

Choose, in agreement with the Board of Studies, 5 courses, equaling 15 credits, amongst:

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| GEOL1023-1 | <i>Palynology - advanced course on Paleozoic spores</i> - Philippe STEEMANS (Odd years) | 30 | - | - | 3 |
| BOTA0405-1 | <i>In vitro culture of plants</i> - Claire KEVERS | 30 | - | - | 3 |
| BIOL0824-1 | <i>Visualization methods and quantification in cell biology</i> - Patrick MOTTE | 30 | - | - | 3 |
| BOTA0410-1 | <i>Phylogeny of eukaryotes</i> - Denis BAURAIN | 30 | - | - | 3 |
| BIOL0844-1 | <i>General biology of cryptogams (bryophyta and lichens)</i> - Emmanuël SÉRUSIAUX, Alain VANDERPOORTEN | 30 | - | - | 3 |
| BIOL0826-2 | <i>Biogeography and plant and nature conservation</i> - Emmanuël SÉRUSIAUX - [6d FW] | - | - | - | [+] 3 |
| BIOL0827-1 | <i>Complements of plant cell physiology</i> - Patrick MOTTE | 30 | - | - | 3 |
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Ecology and Ethology

Choose, in agreement with the Board of Studies, 5 courses, equaling 15 credits, amongst:

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| ZOOL0228-1 | <i>Demography and dynamics population of mammals and birds</i> - Roland LIBOIS | 30 | - | - | 3 |
| ZOOL0229-1 | <i>Demography and dynamic of fish populations</i> - Michaël OVIDIO | 30 | - | - | 3 |
| ZOOL0230-2 | <i>Development and management of freshwater fishes and their habitat</i> - Pascal PONCIN - [1d FW] | 20 | - | - | [+] 3 |
| BIOL0828-1 | <i>Hydrobiology and Limnology</i> - Anne GOFFART, Célia JOAQUIM#JUSTO, Jean-Pierre THOMÉ | 30 | - | - | 3 |
| ENVT0737-2 | <i>Transfer and ecotoxicology of the micropollutants in the watery ecosystems</i> - Célia JOAQUIM#JUSTO, Jean-Pierre THOMÉ | 30 | - | - | 3 |
| OCEA0026-2 | <i>Marine ecotoxicology</i> - Krishna DAS | 30 | - | - | 3 |
| BIOL0829-1 | <i>Case study in ecology</i> - Monique CARNOL | 30 | - | - | 3 |
| CHIM0672-1 | <i>Radioecology</i> - Christian VAN DE CASTEELE | 30 | - | - | 3 |
| OCEA0001-3 | <i>Oceanology and underwater biology</i> - Sylvie GOBERT | 30 | - | - | 3 |
| ZOOL0220-2 | <i>Planctonology</i> - Jean-Henri HECQ | 30 | - | - | 3 |
| OCEA0050-1 | <i>Ecology of the Mediterranean benthos</i> - Vincent DEMOULIN, Sylvie GOBERT, Mathieu POULICEK - [30h FW] | - | - | - | [+] 3 |
| OCEA0044-3 | <i>Ecology of the coral reefs</i> - Mathieu POULICEK | 30 | - | - | 3 |
| ENVT0884-1 | <i>Ecology and economy of agricultural systems</i> - Alain HAMBUECKERS | 30 | - | - | 3 |
| ZOOL0003-2 | <i>Ethometry</i> - Marc YLIEFF | 30 | - | - | 3 |
| PSYC1063-1 | <i>Social ethology</i> - Marie-Claude HUYNEN | 30 | - | - | 3 |

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| PSYC1064-1 | <i>Behavioural primatology</i> - Marie-Claude HUYNEN | 30 | - | - | 3 |
| ZOOL0002-2 | <i>Ethology applied to population management</i> - Pascal PONCIN - [1d FW] | 20 | - | [+] | 3 |
| ZOOL0232-1 | <i>Ethology and amphibian conservation</i> - Mathieu DENOËL - [1d FW] | 20 | - | [+] | 3 |
| ZOOL0231-2 | <i>Rhythms and behaviour in fish : endocrine aspects</i> - Pascal PONCIN - [1d FW] | 20 | - | [+] | 3 |
| OCEA0043-2 | <i>Ecoethology of the marine animals</i> - Christian MICHEL | 30 | - | - | 3 |
| VETE0014-1 | <i>Domestic Animal Behaviour Science</i> - Marc VANDENHEEDE | 32 | - | - | 3 |
| PSYC0061-1 | <i>Animal and comparative neuropsychology</i> - André FERRARA | 30 | - | - | 3 |
| PSYC0063-1 | <i>Behavioural neuroendocrinology</i> - Jacques BALTHAZART | 30 | - | - | 3 |

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another Masters. Each course equals 3 credits.