Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Focus optional courses (B2 : 30Cr)							
Choose one module from : (B2 : 1Nbr)							
Module: Fundamental and applied eco-ethology (B2 : 15Cr)							
Choose 3 courses (15 credits) from: (B2 : 15Cr)							
General courses in ethology							
BIOL1063-1	*Social ethology* - Fany BROTCORNE, Laurane WINANDY	B2	Q1	20	10	-	**5**
PSYC0063-1	*Behavioural neuroendocrinology* - Charlotte CORNIL	B2	Q1	30	-	-	**5**
BIOL0858-1	*Animal communication* - Fany BROTCORNE, Eric PARMENTIER, JeanChristophe PLUMIER	B2	Q1	20	10	-	**5**
ANTH0057-1	*Anthropology of the nature of animals* - Véronique SERVAIS	B2	Q1	30	-	-	**5**
Ethology of wildlife and management of fauna							
BIOL1064-1	*Behavioural primatology* - Fany BROTCORNE	B2	Q1	30	-	-	**5**
RAVT0002-2	*Eco-ethology and wildlife conservation* - Pascal PONCIN - [1d FW]	B2	Q2	20	-	[+]	**5**
VETE0014-1	*Domestic Animal Behaviour Science* - Marc VANDENHEEDE	B2	Q1	32	-	-	**5**
BIOL0859-1	*Insect behaviour* - Frédéric FRANCIS, François VERHEGGEN	B2	Q1	20	10	-	**5**
ZOOL2021-1	*Ecology and dynamics of freshwater fish populations* - *Theory* - Michaël OVIDIO - *Practice* - Michaël OVIDIO	B2	Q1 10 -	- 20	- -		**5**
SSTG0062-1	*Internship: Ecology and the conservation of freshwater communities and amphibians* - Mathieu DENOËL - [13d FW]	B2	TA	-	-	[+]	**5**
Module: Biology, Ecology and Ecotoxicology (B2 : 15Cr)							
Choose 3 courses (15 credits) from: (B2 : 15Cr)							
BIOL0861-1	*Integrated management of entomological biodiversity* - Rudy CAPARROS MEGIDO, Frédéric FRANCIS	B2	Q1	15	15	-	**5**
OCEA0084-1	*Marine ecotoxicology* (english language) - Krishna DAS - [15h Mon. WS]	B2	Q1	15	-	[+]	**5**
BIOL0862-1	*Quantification of the environmental risk associated with pollutants and decision-making* (english language) - Célia JOAQUIMJUSTO	B2	Q1	16	8	-	**5**
OCEA0227-1	*Tools for analysis and assistance for integrated management* - JeanFrançois DELIÈGE, Sylvie GOBERT - [5h Mon. WS]	B2	Q1	15	15	[+]	**5**
BOTA0410-1	*Phylogeny of eukaryotes* - Denis BAURAIN	B2	Q1	30	-	-	**5**
BIOL0025-1	*Animal symbiosis* - Stéphane ROBERTY	B2	Q1	15	15	-	**5**
BIOL0030-1	*Modeling dynamical biological systems* (english language) - Marilaure GRÉGOIRE, Patrick MEYER - [15h Mon. WS]	B2	Q1	15	-	[+]	**5**
OCEA0085-1	*Methods of investigation, observation and analysis of marine plankton* - Anne GOFFART - [17h Mon. WS]	B2	Q1	10	-	[+]	**5**
OCEA0223-1	*Biodiversity of tropical coastal regions: study and intercultural context* - Bruno FREDERICH, Gilles LEPOINT, Aliénor PIRLET, Richard RASOLOFONIRINA - [12d FW]	B2	Q2	10	-	[+]	**5**
BIOL0820-1	*Morphological specific aspects of vertebrates : functional approach* - Eric PARMENTIER	B2	Q2	30	-	-	**5**
CHIM9212-1	*Biological applications of radioelements* - Philippe COMPÈRE	B2	Q2	30	-	-	**5**

BIOL2042-1	*Population Biology* - Johan MICHAUX - [3d FW]	B2	Q2	10	-	[+]	**5**
BIOL0821-1	*Natural Biomaterials : ultrastructural and functional aspects* - Philippe COMPÈRE	B2	Q2	30	-	-	**5**
GBIO0022-1	*Biomimicry* (english language) - Philippe COMPÈRE, Tristan GILET, Davide RUFFONI - [45h Proj.]	B2	TA	15	-	[+]	**5**
GEOG0238-5	*Geographical Information Systems, Introduction* - Roland BILLEN, François JONARD	B2	Q1	15	15	-	**5**

In agreement with the Jury, choose from the Master's programme in biology of organisms and ecology, courses not already taken for a total of 15 credits (B2 : 15Cr)

[...] courses from the master in biology of organisms and ecology

[...] Module courses

[...] List of option courses

Exceptionally, and in agreement with the Jury, one or several courses may be chosen from the courses' programmes of other field of education of the Faculty of Sciences, other faculties or other universities (for example, in connection with the final dissertation, etc.).

List of option courses

HAAR0091-1	*Archaeozoology* - Annick GABRIEL	B2	Q1	15	15	-	**3**
ENVT3045-1	*Ecosystems : conditions, anthropic impacts and management* - Dorothée DENAYER, Célia JOAQUIMJUSTO - [16h Cl. inv.]	B2	Q2	4	20	[+]	**3**
GEOL0099-1	*Biodiversity and extinctions* (english language) - Valentin FISCHER - [2d FW]	B2	Q1	25	-	[+]	**3**
GEOL1022-2	*Origin and early evolution of life* (english language) - Emmanuelle JAVAUX	B2	Q1	20	10	-	**3**
GEOL0263-1	*Astrobiology* (english language) - Vincianne DEBAILLE, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE	B2	Q2	45	-	-	**3**
BIOL0114-4	*Electronic microscopies, Part A* - Philippe COMPÈRE	B2	Q2	15	-	-	**3**
NEUR0434-1	*Functional Neuroanatomy* - JeanChristophe PLUMIER	B2	Q2	30	-	-	**3**
BIOL0822-1	*Environmental physiology* (english language) - JeanChristophe PLUMIER	B2	Q1	10	20	-	**3**
BIOL0823-1	*Ultrastructural cytochemistry* - Philippe COMPÈRE, Marc THIRY	B2	Q2	30	-	-	**3**
OCEA0083-1	*Physiology and biochemistry of the marine animals* (english language) - Philippe COMPÈRE	B2	Q1	15	15	-	**3**
GENE0003-1	*Genomics* - Marc HANIKENNE	B2	Q2	20	-	-	**3**
OCEA0226-1	*Introduction to aquaculture* - Carole ROUGEOT	B2	Q1	30	-	-	**3**
GENE0441-1	*Organelle genetics* - *Part A* - Claire REMACLE - *Part B* - Claire REMACLE	B2	Q2 15 15	 - -	 - -		**3**
ZOOL0230-2	*Methods to count and monitor freshwater fish populations* - Michaël OVIDIO - [4d FW]	B2	Q2	10	-	[+]	**3**
ZOOL0218-4	(pas organisé en 2024-2025) *Aquariology* - N...	B2	Q1	20	-	-	**3**
OCEA0144-1	*Biology of the coral reefs* - Stéphane ROBERTY	B2	Q1	30	-	-	**3**
OCEA0027-1	*Applications of stable isotopes in marine sciences* - Gilles LEPOINT, Loïc MICHEL	B2	Q1	15	15	-	**3**
BIOC9245-1	*Macromolecules chemistry* - Moreno GALLENI, Loïc QUINTON	B2	Q2	20	10	-	**3**
OCEA0230-1	*Marine invertebrate zoology* (english language) - Loïc MICHEL	B2	Q1	20	10	-	**3**
PHYS0999-1	*Digital creation in sciences* - Roland BILLEN, Valentin FISCHER,	B2	TA	10	-	[+]	**3**

	MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER, Nicolas VANDEWALLE - [30h Proj.]						
DOCU0455-1	*Introduction to critical thinking* - *Theory* - Yaël NAZÉ - *Practice* - Yaël NAZÉ	B2	Q2 10 -	- 6	- -		**3**
LANG2971-2	*Academic English Writing* (english language) - Clara BRERETON, Véronique DOPPAGNE	B2	Q1	25	-	-	**3**
LANG4007-1	*English - oral expression* (english language) - Clara BRERETON, Véronique DOPPAGNE	B2	Q2	-	25	-	**3**

Core curriculum compulsory courses (B1 : 52Cr, B2 : 30Cr)

BIOL0852-1	*Ecosystems and climate change* - Monique CARNOL	B1	Q2	24	16	-	**3**
BIOL0810-2	*Conservation biology* - Nicolas MAGAIN	B1	Q2	30	-	-	**4**
BIOL0808-2	*Functional morphology* - *Marine vertebrates* - Eric PARMENTIER - *Birds, mammals, biomimicry* - Eric PARMENTIER - [1d FW]	B1	Q1 15 10	 10 15	 - [+]		**4**
PALE0209-1	*Paleontology* - *Micropaleontology* - Emmanuelle JAVAUX - *Macropaleontology* - Valentin FISCHER, Cyrille PRESTIANNI	B1	Q1 10 15	 - 5	 - -		**3**
BIOL0866-1	*Ecophysiology* - Claire PÉRILLEUX, JeanChristophe PLUMIER, Stéphane ROBERTY	B1	Q1	25	15	-	**3**
BIOL2213-1	*Behavioural ecology* - Mathieu DENOËL, Laurane WINANDY	B1	Q1	20	-	-	**3**
BIOL0854-1	*Ecotoxicology* (english language) - Célia JOAQUIMJUSTO, Yves MARNEFFE	B1	Q1	20	18	-	**4**
BIOL0812-2	*Biogeography* - Alain VANDERPOORTEN	B1	Q2	25	-	-	**3**
GENE0446-2	*Population genetics* - Johan MICHAUX, Claire REMACLE	B1	Q1	20	10	-	**3**
GENE0448-1	*Phylogenetic methods* - Denis BAURAIN	B1	Q1	20	15	-	**3**
BIOL2041-1	*Taxonomy and animal phylogeny* - Loïc MICHEL	B1	Q1	25	15	-	**4**
BIOL2040-1	*Taxonomy and phylogeny of chlorophyll lines* - Nicolas MAGAIN	B1	Q2	25	15	-	**4**
SSTG0069-1	*Professional internship* - Fany BROTCORNE, Gilles LEPOINT, Nicolas MAGAIN, JeanChristophe PLUMIER, Carole ROUGEOT - [20d FW]	B1	TA	-	-	[+]	**8**
BIOL0856-1	*Data analysis in ecology, ethology and evolutionary biology* - Bruno FREDERICH	B1	Q1	-	20	-	**3**
SMEM0013-1	*Final thesis* - COLLÉGIALITÉ	B2	TA	-	-	-	**27**
	Notice : Students who handle animals within the framework of their dissertation must have the Certificate in laboratory animal sciences, grade: animal biotechnologist. Prof. Mathieu DENOEL).						
DOCU0462-1	*Preparing a dissertation in the biology of organisms and ecology* - Monique CARNOL - [15h Mon. WS]	B2	Q1	15	-	[+]	**3**

Common core courses (B1 : 8Cr)

In agreement with the Jury, choose one of the following fiel placement modules: (B1 : 1Nbr)

Conservation and Biodiversity Module (B1 : 8Cr)

SSTG0046-1	*Naturalistic building upon applied in conservation* - Nicolas MAGAIN - [8d FW]	B1	TA	-	-	[+]	**4**
SSTG0066-1	*Internship: ecology applied to monitoring and conserving biodiversity* - Flavien COLLART, Mathieu DENOËL, Nicolas MAGAIN, Loïc MICHEL, Laurane WINANDY - [9d FW]	B1	Q2	-	-	[+]	**4**

Ecology and Biodiversity Module (B1 : 8Cr)

SSTG0024-1	*Training: biodiversity, phylogeny and ecology* - Flavien COLLART, Bruno FREDERICH, Véronique GOOSSE, Loïc MICHEL, Stéphane ROBERTY, Laurane WINANDY - [10d FW]	B1	TA	-	-	[+]	**5**

In agreement with the Jury, choose a field placement from among: (B1 : 3Cr)

SSTG0064-1	*Applied biogeography* - Flavien COLLART, Alain VANDERPOORTEN - [6d FW]	B1	Q2	-	-	[+]	**3**
SSTG0053-1	*Integrated ethometry internship* - Fany BROTCORNE, Mathieu DENOËL - [4d FW]	B1	Q2	-	10	[+]	**3**

Bridging courses (max 15-60 credits) Master in biology of organisms and ecology (120 credits)

The refresher programme, for a maximum of 60 credits, will be established by the jury of the Masters in Biology of Organisms and Ecology, depending on the student¿s prior training: this programme will enable the student to acquire the basic knowledge required in relevant fields (statistics, biology, biodiversity, etc.).

Compulsory courses (B0 : 40Cr)

BIOL0518-4	*Biodiversity and ecology* - *Notions and concepts* - Gabriel CASTILLO CABELLO, Bruno FREDERICH, Eric PARMENTIER - *Stage d'écologie marine* - Eric PARMENTIER - [5d FW]	B0	TA 60 -	- -	- [+]		**7**
BIOL0868-1	*Biology of multicellular animal organisms* - Loïc MICHEL	B0	Q1	15	15	-	**3**
BIOL0869-1	*Biology of multicellular plant organisms* - Claire PÉRILLEUX	B0	Q1	15	15	-	**3**
BIOL0216-1	*Animal physiology* - JeanChristophe PLUMIER, Marc THIRY	B0	Q1	60	30	-	**7**
BIOL0217-2	*Vegetal physiology, Theory* - Claire PÉRILLEUX	B0	Q2	35	-	-	**3**
BIOL2037-1	*Introduction to evolutionary biology* - Nicolas MAGAIN - [1d FW]	B0	Q2	25	25	[+]	**4**
BIOL2038-1	*Soil ecology and microbiology* - Monique CARNOL - [1d FW]	B0	Q1	25	10	[+]	**3**
BIOL2039-2	*Freshwater ecology, Theory* - Anne GOFFART, Véronique GOOSSE, Célia JOAQUIMJUSTO	B0	Q2	18	2	-	**2**
BIOC9244-1	*Genetics and introduction to molecular ecology* - Marc HANIKENNE	B0	Q1	20	10	-	**2**
STAT0750-1	*Multivariate statistical analysis (software R)* - Arnout VAN MESSEM	B0	Q2	10	10	-	**3**
DOCU0460-1	*Training in the use of documentary resources in biology(refresher course)* - Hassan BOUGRINE, Monique CARNOL	B0	Q1	6	6	-	**1**
STAT0077-1	*Computing analysis and processing of biological data* - Patrick MEYER	B0	Q1	25	-	-	**2**

Optional courses (B0 : 20Cr)

In agreement with the Jury, if necessary choose courses from: (B0 : 20Cr)

[...] Courses from the Bachelor in Biology.