Block view of the study programme

		Or	Th	Pr	Au	Cr
Block 1						
Cours obligatoires du tronc commun						
BIOL0852-1	*Ecosystems and climate change*	Q2	24	16	-	**3**
BIOL0810-2	*Conservation biology* - Nicolas MAGAIN	Q2	30	-	-	**4**
BIOL0808-2	*Functional morphology* - *Marine vertebrates* - *Birds, mammals, biomimicry* - [1d FW]	Q1	 15 10	 10 15	 - [+]	**4**
PALE0209-1	*Paleontology* - *Micropaleontology* - Emmanuelle JAVAUX - *Macropaleontology* - Valentin FISCHER, Cyrille PRESTIANNI	Q1	 10 15	 - 5	 - -	**3**
BIOL0866-1	*Ecophysiology*	Q1	25	15	-	**3**
BIOL2213-1	*Behavioural ecology*	Q1	20	-	-	**3**
BIOL0854-1	*Ecotoxicology* (english language)	Q1	20	18	-	**4**
BIOL0812-2	*Biogeography*	Q2	25	-	-	**3**
GENE0446-2	*Population genetics* - Johan MICHAUX, Claire REMACLE	Q1	20	10	-	**3**
GENE0448-1	*Phylogenetic methods* - Denis BAURAIN	Q1	20	15	-	**3**
BIOL2041-1	*Taxonomy and animal phylogeny*	Q1	25	15	-	**4**
BIOL2040-1	*Taxonomy and phylogeny of chlorophyll lines* - Nicolas MAGAIN	Q2	25	15	-	**4**
SSTG0069-1	*Stage professionnalisant* - Fany BROTCORNE, Gilles LEPOINT, Nicolas MAGAIN, JeanChristophe PLUMIER, Carole ROUGEOT - [20d FW]	TA	-	-	[+]	**8**
BIOL0856-1	*Data analysis in ecology, ethology and evolutionary biology* - Bruno FREDERICH	Q1	-	20	-	**3**
Cours au choix du tronc commun						
En accord avec le Jury, choisir un module de stages de terrain parmi :						
Module Conservation et Biodiversité						
SSTG0046-1	*Naturalistic building upon applied in conservation* - Nicolas MAGAIN - [8d FW]	TA	-	-	[+]	**4**
SSTG0066-1	*Stage : écologie appliquée au suivi et à la conservation de la biodiversité* - Flavien COLLART, Mathieu DENOËL, Nicolas MAGAIN, Loïc MICHEL, Laurane WINANDY - [9d FW]	Q2	-	-	[+]	**4**
Module Ecologie et Biodiversité						
SSTG0024-1	*Training: biodiversity, phylogeny and ecology* - [10d FW]	TA	-	-	[+]	**5**
En accord avec le Jury, choisir un stage de terrain parmi :						
SSTG0064-1	*Applied biogeography* - [6d FW]	Q2	-	-	[+]	**3**
SSTG0053-1	*Integrated ethometry internship* - [4d FW]	Q2	-	10	[+]	**3**
Block 2						
Cours obligatoires de la finalité						
ZOOL0234-1	*Diversity of halieutic species and breeding: fish, shellfish and molluscs*	Q1	15	10	-	**3**
ZOOL0235-1	*Physiology applied to aquaculture: a balance between productivity and respect for animal well-being*	Q1	40	20	-	**4**
BIOL0218-1	*Ecological monitoring and managing fishery resources*	Q1	10	15	-	**3**

HULG2012-2	*Fish and shellfish nutrition and feeding*	Q1	15	-	-	**3**
ZOOL0236-1	*Ecology and the production of zooplanktonic organisms*	Q2	10	10	-	**3**
BIOL0220-1	*Operation and integrated management of continental aquatic environments*	Q2	10	10	-	**3**
ZOOL0237-1	*Aquaculture production system: adaptability, innovation and integration in a sustainable environment* - [16h Vis.]	Q1	40	20	[+]	**4**
GEOG0272-1	*Economic issues and exploitation of the marine aquatic environment* - Guénaël DEVILLET	Q2	10	10	-	**3**

Cours au choix de la finalité

In agreement with the Jury, choose 2 courses for a total of 4 credits among:

BIOL0219-1	*Ecology and the production of algae: digital concepts and applications*	Q2	10	10	-	**2**
VETE0206-1	*Immunology, virology and vaccinology of aquatic species*	Q1	18	2	-	**2**
VETE0207-1	*Pathology, bacteriology and parasitology of aquatic species*	Q2	15	10	-	**2**
VETE2007-1	*Management of the quality and safety of foodstuffs derived from aquaculture and fishing* - [5h Vis.]	Q2	15	-	[+]	**2**
ZOOL0238-1	*Integration of aquaponic aquaculture systems into urban and semi-urban agriculture* - Haissam JIJAKLI	Q1	12	-	-	**2**

Cours obligatoires du tronc commun

SMEM0013-1	*Final thesis* - COLLÉGIALITÉ	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]	Q1	15	-	[+]	**3**

Bloc d'aménagement du programme de l'année

Additional ECTS (max 15-60) Master in biology of organisms and ecology (120 ECTS)

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

BIOL0518-4	*Biodiversity and ecology* - *Notions and concepts* - Gabriel CASTILLO CABELLO, Bruno FREDERICH, Eric PARMENTIER - *Stage d'écologie marine* - Eric PARMENTIER - [5d FW]	TA	60 -	- -	- [+]	**7**
BIOL0868-1	*Biology of multicellular animal organisms* - N...	Q1	15	15	-	**3**
BIOL0869-1	*Biology of multicellular plant organisms* - Claire PÉRILLEUX	Q1	15	15	-	**3**
BIOL0216-1	*Animal physiology*	Q1	60	30	-	**7**
BIOL0217-2	*Vegetal physiology, Theory* - Claire PÉRILLEUX	Q2	35	-	-	**3**
BIOL2037-1	*Introduction to evolutionary biology* - [1d FW]	Q2	25	25	[+]	**4**
BIOL2038-1	*Soil ecology and microbiology* - [1d FW]	Q1	25	10	[+]	**3**
BIOL2039-2	*Freshwater ecology, Theory*	Q2	18	2	-	**2**
BIOC9244-1	*Genetics and introduction to molecular ecology* - Marc HANIKENNE	Q1	20	10	-	**2**

STAT0750-1	*Multivariate statistical analysis (software R)* - Arnout VAN MESSEM	Q2	10	10	-	**3**
DOCU0460-1	*Training in the use of documentary resources in biology(refresher course)*	Q1	6	6	-	**1**
STAT0077-1	*Computing analysis and processing of biological data* - Patrick MEYER	Q1	25	-	-	**2**

Optional courses

In agreement with the Jury, if necessary choose courses from:

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