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Two-Year Master Program (120 ECTS)

First Year

Compulsory courses

AESS0320-1	<i>Initiation to biology didactics</i> - MarieNoëlle HINDRYCKX	20	20	-	2
Biology of Organisms					
GENE0446-2	<i>Population genetics</i> - Johan MICHAUX, Claire REMACLE	25	15	-	4
BIOL0807-4	<i>Taxonomy and Phylogeny</i>				9
	- <i>Plant part</i> - Emmanuël SÉRUSIAUX	20	15	-	
	- <i>Animal part</i> - Patrick DAUBY	40	30	-	
GENE0448-1	<i>Phylogenetic methods</i> - Denis BAURAIN	15	10	-	2
PALE0209-1	<i>Paleontology</i> - Philippe GERRIENNE, Emmanuelle JAVAUX, Edouard POTY - Suppl : Bernard MOTTEQUIN	40	30	-	6
BIOL0808-2	<i>Functional morphology</i> - Eric 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, JeanChristophe PLUMIER, Pascal PONCIN	40	30	-	6
BIOL0810-2	<i>Conservation Biology</i> - N..., Emmanuël SÉRUSIAUX - [1d FW]	40	20	[+]	7
BIOL0811-1	<i>Natural resources and ecosystem disruptions</i> - Monique CARNOL, JeanPierre THOMÉ - Suppl : Olivier GUILLITTE - [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.

SSTG0023-1	<i>Training : phylogeny and ecology of Macaronesian flora</i> - Alain HAMBUCKERS, Emmanuël SÉRUSIAUX - [10d FW]	-	-	[+]	4
SSTG0024-1	<i>Training : biodiversity, phylogeny and marine ecology</i> - Patrick DAUBY, Véronique GOOSSE, Eric PARMENTIER, Mathieu POULICEK, JeanPierre THOMÉ - [10d FW]	-	-	[+]	4

Second year

Compulsory courses

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

Choose one of the following focus :

Research Focus

Compulsory courses

STAT0750-1	<i>Multivariate statistical analysis</i> - N... - Suppl : Adelin ALBERT	10	10	-	2
DOCU0448-2	<i>Documentation training applied to biology</i> - Ninfa GRECO - Suppl : Caroline COLLETTE - [20h Mon. WS]	-	-	[+]	2
SSTG0040-1	<i>Professional development file</i> - Monique CARNOL, Sandrine MALCHAIR - [30h Mon. WS]	30	-	[+]	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:

BIOL0820-1	<i>Morphological specific aspects of vertebrates : functional approach</i> - Eric PARMENTIER	30	-	-	3
GEOL0099-1	<i>Phanerozoic biosphere evolution</i> - Edouard POTY - [2d FW]	20	-	[+]	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> - Annick GABRIEL	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
BIOL0114-4	<i>Electronic microscopies</i> - Philippe COMPÈRE	15	-	-	3
CHIM9236-1	<i>Microstructure of Materials : characterization techniques</i> - Catherine HENRIST	15	-	-	3
GEOL1022-2	<i>Evolution of the biosphere in the Precambrian</i> - Emmanuelle JAVAUX	20	10	-	3
GEOL0263-2	<i>Astrobiology</i> - Philippe CLAEYS, Véronique DEHANT, Moreno GALLENI, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE (Even years)	30	-	-	3
NEUR0434-1	<i>Functional Neuroanatomy</i> - JeanChristophe PLUMIER	30	-	-	3
BIOL0822-1	<i>Advanced Course in Animal Physiology</i> - JeanChristophe PLUMIER	30	-	-	3
NEUR0435-1	<i>Developmental neurotoxicology</i> - JeanChristophe 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> - MarieClaire GILLET	30	-	-	3
GBIO0022-1	<i>Biomimeticism (english language)</i> - Liesbet GERIS, Tristan GILET, Eric PARMENTIER	30	30	-	5
[...]	Courses for the European certificate of complementary studies in Neurosciences, jointly organized by the University of Liege and the Univerversity 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:

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
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
[...]	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.				

Ecology and Ethology

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

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 JOAQUIMJUSTO, JeanPierre THOMÉ	30	-	-	3

ENVT0737-2	<i>Transfer and ecotoxicology of the micropollutants in the watery ecosystems</i> - 30	-	-	3
	Célia JOAQUIMJUSTO, JeanPierre THOMÉ			
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> - Anne GOFFART	30	-	3
OCEA0050-1	<i>Ecology of the Mediterranean benthos</i> - Sylvie GOBERT, Mathieu POULICEK	-	-	[+] 3
	- [30h FW]			
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> - MarieClaude HUYNEN	30	-	3
PSYC1064-1	<i>Behavioural primatology</i> - MarieClaude 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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Teaching focus

Compulsory courses

AESS0246-1	<i>Analysis of scholastic institutions and key-players, educational policies</i> - Dominique LAFONTAINE	15	-	-	1
AESS0248-1	<i>Elements of sociology of education</i> - JeanFrançois GUILLAUME	10	-	-	1
AESS0140-1	<i>Professional ethics and training to neutrality and citizenship</i> - Anne HERLA	25	-	-	2
AESS0202-1	<i>General didactics: course and exercises ; observation placements ; reflexive practices</i> - Annick FAGNANT - [10h Internship]	30	10	[+]	4
AESS0004-1	<i>Media education</i> - Jérémy HAMERS	15	-	-	1
AESS0249-1	<i>Interdisciplinary seminar</i> - Annick FAGNANT	15	-	-	1
AESS0143-1	<i>Educational Psychology of adolescents and young adults</i> - Annick FAGNANT	15	-	-	2
AESS0339-1	<i>Understand and manage the diversity of public schools</i> - Ariane BAYE	10	15	-	3
AESS1217-1	<i>Special didactics in biology : course and exercises (1st part)</i> - MarieNoëlle HINDRYCKX	40	-	-	3
AESS1218-1	<i>Special didactics in biology : placements (1st part)</i>				3
	- <i>Observation placements</i> - MarieNoëlle HINDRYCKX - [10h Internship]	-	-	[+]	
	- <i>Teaching placements</i> - MarieNoëlle HINDRYCKX - [20h Internship]	-	-	[+]	
	- <i>Reflexive practical work</i> - MarieNoëlle HINDRYCKX	-	5	-	
AESS2217-1	<i>Special didactics in biology : course and exercises (2nd part)</i> - MarieNoëlle HINDRYCKX	35	-	-	4
AESS2218-1	<i>Special didactics in biology : placements (2nd part)</i>				5
	- <i>Teaching placements</i> - MarieNoëlle HINDRYCKX - [20h Internship]	-	-	[+]	
	- <i>Reflexive practical work</i> - MarieNoëlle HINDRYCKX	-	5	-	
	- <i>Extra-scholar teaching activities</i> - MarieNoëlle HINDRYCKX	-	10	-	