

Cours	Enseignants	★ Automne	🌱 Printemps	Examen	Crédits	
<b>Master in Biology</b>						<b>TOTAL 120</b>
<b>CORE CURRICULUM</b>						<b>TOTAL</b>
<b>Compulsory courses</b>						<b>TOTAL 21</b>
<b>Generic skills</b>						<b>TOTAL 9</b>
Statistics	M. Voordouw	3ph		controle continu	3	
Scientific writing	K. ZUBERBUEHLER	3ph		controle continu	3	
Seminars by externals	A. Koehler T. TURLINGS	1ph	1ph	controle continu	3	
<b>Computer tools</b>						<b>TOTAL 3</b>
Bioinformatics tools	Y. WILLI	3ph		controle continu	3	
Modelling	J. KOELLA	3ph		controle continu	3	
<b>Seminars</b>						<b>TOTAL 6</b>
Seminar integrative biology	J. NEUHAUS	3ph		controle continu	3	
Seminar ecology and evolution	R. BSHARY	3ph		controle continu	3	
Seminar biodiversity	Y. WILLI	3ph		controle continu	3	
<b>Laboratory methods</b>						<b>TOTAL 3</b>
Molecular methods	F. KESSLER J. NEUHAUS	7dj		controle continu	3	
Natural substances analyses	R. NEIER T. TURLINGS	7dj		controle continu	3	
<b>Elective courses</b>						<b>TOTAL 15</b>
<b>Special skills</b>						<b>TOTAL 3</b>
Ethics and biosecurity	B. MAUCH-MANI J. NEUHAUS	7dj		controle continu	3	
Spatial modelling of natural systems	M. Bouzelboudjen	7dj		controle continu	3	
Microscopy	M. DADRAS	7dj		controle continu	3	
<b>Excursion</b>						<b>TOTAL 6</b>
Alpine ecology	R. BERGMUELLER Y. WILLI		7j	controle continu	6	
Mediterranean ecosystems			7j	controle continu	6	
Tropical ecology	B. BENREY T. TURLINGS	7j		controle continu	6	
Marine biology	R. BSHARY		7j	controle continu	6	
<b>Internship</b>						<b>TOTAL 6</b>
Internship	M. Voordouw	1	1	controle continu	6	
<b>SPECIALISATIONS</b>						<b>TOTAL 24</b>
<b>Group I</b>						<b>TOTAL 12</b>
<b>Sustainable agriculture</b>						<b>TOTAL 12</b>
Integrated pest management (course + workshop)	T. TURLINGS		3ph			
Plant pathology	B. MAUCH-MANI		3ph			
Applied analytical methods	R. NEIER		3ph	écrit	12	
Plant domestication and insect interactions	B. BENREY		3ph			
<b>Animal behaviour</b>						<b>TOTAL 12</b>
An integrative approach to animal behaviour	R. BSHARY		3ph			
Behavioural ecology	R. BSHARY		3ph	controle continu	12	
Eco-physiology	F. HELFENSTEIN		3ph			
Comparative cognition	K. ZUBERBUEHLER		3ph			
<b>Group II</b>						<b>TOTAL 12</b>
<b>Chemical ecology</b>						<b>TOTAL 12</b>
The basics of chemical ecology	T. TURLINGS		7dj			
Biosynthesis and function of secondary compounds	F. KESSLER J. NEUHAUS		7dj	écrit	4	
Recent advances in chemical ecology	T. TURLINGS		7dj	controle continu	2	
Molecular genetics of secondary metabolism	F. KESSLER J. NEUHAUS		7dj	controle continu	3	
Natural products chemistry	R. NEIER		7dj	controle continu	3	
<b>Evolution and biodiversity</b>						<b>TOTAL 12</b>
Evolutionary genetics	F. FELBER C. PARISOD		7dj	controle continu	3	
Evolutionary ecology	Y. WILLI		7dj	controle continu	3	
Conservation	F. FELBER C. PRAZ		7dj	controle continu	3	
Biodiversity	J. GRANT E. Lara E. MITCHELL C. PRAZ		7dj	controle continu	3	
<b>Group III</b>						<b>TOTAL 12</b>
<b>Ecology and environment</b>						<b>TOTAL 12</b>
From cells to ecosystems	S. RASMANN		3ph	controle continu	3	
Spatial modelling of natural systems (advanced)	M. Bouzelboudjen		2ph	controle continu	2	
Methods in ecology	E. MITCHELL		2ph	controle continu	2	
Seminars in ecology	P. JUNIER		3ph	controle continu	3	
Seminars in applied ecology	S. BINDSCHEDLER R. LE BAYON		2ph	controle continu	2	
<b>Parasitology</b>						<b>TOTAL 12</b>
Neurobiology and behavior	P. GUERIN		3ph	écrit	3	
Evolution of parasites	M. Voordouw		3ph	controle continu	3	
Topics in parasitology	J. KOELLA		3ph	controle continu	3	
Experimental parasitology	J. KOELLA		3ph	controle continu	3	