

Cours	Enseignant-e-s	★ S1	🌱 S2	★ S3	🌱 S4	Examen	Crédits	
Master of Science in Biology								TOTAL 120
Core Curriculum								TOTAL
Compulsory courses								TOTAL 21
Generic skills								TOTAL 9
Statistics	R. SLOBODEANU	30pg		30pg		contrôle continu	3	
Scientific writing	K. ZUBERBUEHLER	30pg		30pg		contrôle continu	3	
Seminars by externals	J. GRANT	14pg	14pg	14pg	14pg	contrôle continu		
Computer tools								TOTAL 3
Bioinformatics tools	D. CROLL N. IVANOV	30pg		30pg		contrôle continu	3	
Models and parameter estimation	J. KOELLA	30pg		30pg		contrôle continu	3	
Seminars								TOTAL 6
Seminar ecology and sustainability	J. VERMEER	30pg		30pg		contrôle continu	3	
Seminar ecology and evolution	R. BSHARY K. ZUBERBUEHLER	30pg		30pg		contrôle continu	3	
Seminar ecology and biodiversity	D. CROLL S. RASMANN C. ZEMP	30pg		30pg		contrôle continu	3	
Laboratory and field methods								TOTAL 3
Molecular methods	S. Venkatasalam	7dj		7dj		contrôle continu	3	
Natural substance analyses	G. ROEDER S. VON REUSS	7dj		7dj		contrôle continu	3	
Elective courses								TOTAL 15
Basics of Conservation biology								TOTAL 3
Methods in biodiversity monitoring	C. PRAZ	30pg		30pg		écrit	3	
Animal conservation	C. PRAZ	30pg		30pg		contrôle continu	3	
Genomics of biodiversity	K. LUCEK		28pg		28pg	contrôle continu	3	
Biodiversity and agriculture: a transdisciplinary perspective	A. AEBI		28pg		28pg	contrôle continu	3	
Special skills								TOTAL 3
Introduction to geomatics for biodiversity conservation	S. BOILLAT	28pg		28pg		contrôle continu	3	
Microscopy		7dj		7dj		contrôle continu	3	
Advanced geomatics for biodiversity conservation	S. BOILLAT		28pg		28pg	contrôle continu	3	
Excursion								TOTAL 3
EXC Tropical forest ethology	K. ZUBERBUEHLER	7j		7j		contrôle continu	3	
EXC Marine biology	R. BSHARY	7j		7j		contrôle continu	3	
EXC Mediterranean ecology	E. MITCHELL	7j		7j		contrôle continu	3	
EXC Alpine ecology	J. GRANT S. RASMANN	7j		7j		contrôle continu	3	
Internship								TOTAL
Internship	S. RASMANN	1	1	1	1	contrôle continu	6	
Specializations								TOTAL 24
Group I								TOTAL
Microbial interactions in sustainable agriculture								TOTAL 12
Microbiome applications	D. CROLL		28pg		28pg	contrôle continu	3	
Environmental mycology	S. BINDSCHEDLER		28pg		28pg	contrôle continu	3	
Microbial ecology	P. JUNIER		28pg		28pg	contrôle continu	3	
Plant pathology	T. BADET		28pg		28pg	contrôle continu	3	
Animal behaviour								TOTAL 12
An integrative approach to animal behaviour	R. BSHARY X. LI		28pg		28pg	contrôle continu	3	
Animal behaviour research	R. BSHARY K. ZUBERBUEHLER		28pg		28pg	contrôle continu	3	
Behavioural ecology	R. BSHARY		28pg		28pg	contrôle continu	3	
Comparative cognition	K. ZUBERBUEHLER		28pg		28pg	contrôle continu	3	
Group II								TOTAL
Biodiversity								TOTAL 12
Soil Biodiversity	E. MITCHELL		28pg		28pg	contrôle continu	3	
Plant systematics and evolution	J. GRANT		30pg		30pg	contrôle continu	3	
Natural ecosystems of Switzerland	S. Ursenbacher		28ph		28ph	contrôle continu	3	
Biodiversity data analysis	E. DEFOSSEZ		28pg		28pg	contrôle continu	3	
Group III								TOTAL
Conservation biology								TOTAL 12
Evidence-based conservation of species and habitats	C. PRAZ		30pg		30pg	contrôle continu	3	
Evidence-based conservation of ecosystems	C. ZEMP		30pg		30pg	contrôle continu	3	
Plant and ecosystem conservation	S. RASMANN		30pg		30pg	contrôle continu	3	
Animal population monitoring practicals	B. Schmidt		3j		3j	contrôle continu	3	
Chemical ecology								TOTAL 12
Chemical ecology			28pg		28pg	écrit	3	
Biosynthesis and function of secondary compounds	F. KESSLER J. VERMEER		7dj		7dj	contrôle continu	3	
Plant molecular genetics + labs	J. VERMEER		7dj		7dj	contrôle continu	3	
Natural products chemistry + labs	S. VON REUSS		7dj		7dj	contrôle continu	3	
Master Thesis								TOTAL 60
Master Thesis	B. BENREY R. BSHARY P. JUNIER F. KESSLER J. KOELLA			1pg	1pg	mémoire / dissertation	60	

E. MITCHELL
T. TURLINGS
K. ZUBERBUHLER

Complément de formation (étudiants avec contrat pédagogique)

TOTAL