UNIL | Université de Lausanne
Ecole de biologie

Master of Science in Behaviour, Evolution and Conservation
Specialisation Geosciences, Ecology and Environment
Evaluation Procedure 2021/2022

The evaluation process is a detailed version of the study plan. The information provided in the study plan takes precedence. The information could be completed by the teachers in various forms (e-mails, course materials, Moodle platform, etc.).

MODULE 1

Course	Responsible teacher	Type of evaluation		Final mark
		Exam	Validation	
Data Analysis	Bergmann S.	-	Yes	written reports : arithmetical mean
Introduction into Scientific Writing	Waterhouse R.	-	Yes	written reports : arithmetical mean
Spatial Analysis and GIS in Ecology	Guisan A.	oral 15 min	Yes	1/2 written report 1/2 oral exam
Environmental chemistry and toxicology (GSE)*	Chèvre N., Asta M.	-	-	-
Environmental time-series analysis (GSE)*	Irving J.	-	-	-
Nature Conservation (in French) (GSE)*	Chanteloup L., Reynard E., Badman T., Walters G.	-	-	-
Remote Sensing of Earth Systems (GSE)*	Mariethoz G., Lane S.	-	-	-
Advanced Data Analysis	Ciriello G.	-	Yes	written reports : arithmetical mean
Animal Communication and Parasitism	Christe P.	written 1h30	No	mark of the written exam
Major Transitions in Evolution	Keller L.	-	Yes	1/2 presentation 1/2 participation in class
Molecular Methods in Ecology and Evolution	Sanders I.	-	Yes	mark of the written report
Phylogeography	Fumagalli L.	-	Yes	mark of the written report
Population Genetics and Dynamics	Goudet J.	-	Yes	1/4 mark of the oral presentation of a paper 1/4 participation in class 1/2 mark of the oral presentation on the practical part

MODULE 2

First Step Project	
	1/3 written report
	1/3 oral defence
	1/3 practical work

MODULE 3

Course	Responsible teacher	Type of evaluation		Final mark
		Exam	Validation	
Integrated course Mountain Ecosystems - Ecology & Evolution	Guisan A.	-	Yes	mark of the written report
Integrated course Mountain Ecosystems - Geo-Environmental Sciences	Guisan A.	-	Yes	mark of the written report
Integrated Practical Work Mountain Ecosystems in the Alps	Guisan A.	-	Yes	1/4 proposal 1/4 presentation proposal 1/4 field presentation 1/4 final report
Aquatic Ecosystems : Glaciers, Rivers and Lakes (GSE)*	Perga M.-E., Lane S.	-	-	-
Field and laboratory methods (I) : The UNIL campus as a microcosm (GSE)*	Chèvre N., Vennemann T., Berg J.	-	-	-
Field and laboratory methods (II) : Alpine catchments (GSE)*	Perga M.-E.	-	-	-
Machine Learning for Environmental Science and Engineering (GSE)*	Beucler T.	-	-	-
Mountain streams: ecological processes and management (GSE)*	Lane S.	-	-	-
Watershed and river network modelling (GSE)*	Peleg N., Ruiz-Vellanueva V.	-	-	-
Mountain streams: sediment management (field class) (GSE - autumn)	Lane S.	-	-	-
Applied Ecology	Pellet J.	-	Yes	oral presentations : arithmetical mean
Biological Invasions	Bertelsmeier C.	-	Yes	mark of the oral presentation
Co-evolution, Mutualism, Parasitism	Sanders I.	-	Yes	mark of the oral presentation
Current Problems in Conservation Biology	Wedekind C.	-	Yes	1/2 written report 1/2 oral presentation
Ecology of the Fishes of Switzerland	Rubin J.-F.	written 1h	No	mark of the written exam
Honeybee Ecology, Evolution and Conservation	Dietemann V.	-	Yes	mark of the written report
Phylogeny and Comparative Methods	Salamin N.	-	Yes	mark of the written report
Plant Population Genetics and Conservation	Felber F.	-	Yes	1/2 written report 1/2 oral presentation
Spatial Modelling of Species and Biodiversity	Guisan A.	-	Yes	1/2 written report 1/2 oral presentation
Comparative Genomics : from Thousands of Genomes to Single Cells	Arguello R.	oral 15 min	No	mark of the oral exam
Introduction to Primate Behaviour, Cognition and Culture	Van de Waal E.	-	Yes	mark of the oral presentation
Sex, Ageing and Foraging Theory	Mullon C.	oral 15 min	Yes	1/2 practical work 1/2 mark of the orale exam
Scientific Communication - Scientific Hands-on Workshop Module *(in French only)*	Kaufmann A., Reymond P.	-	Yes	2/3 conception, implementation and presentation of an activity for the general public 1/3 written assay
Scientific Mediation and Communication - Museum Module	Sartori M.	-	Yes	1/2 written report 1/2 oral presentation
The Environment, addressed in an interdisciplinary way (most in French) (GSE)*	Guisan A.	-	-	-
The Evolution of Cooperation : from Genes to Learning and Culture	Lehmann L.	oral 15 min	No	mark of the oral exam
Social Genetics	Keller L.	-	Yes	mark of the written report
Drivers of Invertebrate Biodiversity along Ecological Gradients	Schwander T.	-	Yes	1/3 written report 1/3 oral presentation 1/3 personal investment
Evolution and Biogeography of Semi-arid and Island Floras	Pannell J.	-	Yes	1/3 written report 1/3 oral presentation 1/3 personal investment

MODULE 4

Master Thesis	
	1/3 written report
	1/3 oral defence
	1/3 practical research work

*** For courses of GSE, refer directly to the teacher involved.**

Due to the sanitary evolution related to COVID-19, the study plans may be adapted during the semester as follows:

- possibility to switch from one mode of teaching to another (face-to-face <-> distance, synchronous <-> asynchronous, switch to co-modal teaching where it was not initially planned).
- adaptation of evaluation modalities, without inducing derogations from the Study Regulations (oral <-> written, exam <-> validation, individual work <-> group work, practical work <-> theoretical work, face-to-face evaluation <-> online evaluation, etc.).
- alternative or time-shifted modalities for teachings, internships, practical work, fieldworks and camps that could not take place or teachings that could no longer take place in the form initially planned.

Students are invited to consult this document regularly (Study Plan & Evaluation Procedure)