UNIL | Université de Lausanne
Ecole de biologie

Master of Science in Behaviour, Evolution and Conservation
2011-2012

The Master program has the minimum duration of 3 semesters and comprises 90 ECTS :

- 10.5 ECTS : Compulsory courses
- 19.5 ECTS : Optional courses
- 15 ECTS : First step project
- 45 ECTS : Personal research project (Master thesis)

Autumn Semester (semester 1)

Course	Teaching Staff	Hours per semester			ECTS Credits
		C	E/S	PW	
Compulsory					
Problem-based learning in methodology	**Franken P.**	7	35		3.5
Molecular genetics	**Sanders I.**, Fumagalli L.	14		42	4.5
Introduction into scientific writing	**Hochberg M.**	7	13		1.5
Seminars of the Dept. of Ecology and Evolution	**Wedekind C.**		14		1
Total					**10.5**
Optional (choice -> 4.5 credits)					
Behavioural ecology II	**Roulin A.**, Christe P.	14			1.5
Populations genetic and dynamic	**Goudet J.**	7	10		1.5
Spatial analyses and GIS in ecology	**Pottier J.**	8	12		1.5
The major transitions in evolution	**Keller L.**	14			1.5
Introduction to R	**Goudet J.**	8	20		1.5
Phylogeography	**Fumagalli L.**	7	10		1.5
Pratical project					
First step project	**Wedekind C.**			224	**15**
Total					**30**

Abbreviations
C = Course
E/S = Exercise/Seminar
PW = Practical Work

Spring Semester (semester 2)

Course	Teaching Staff	Hours per semester C	E/S	PW	ECTS Credits
Optional (choice -> 15 credits)					
Applied ecology	**Pellet J.**	14		28	2.5
Biology of invasives species	**Cherix D.**	14			1.5
Case studies in population biology	**Perrin N.**	14			1.5
Co-evolution, mutualism, parasitism	**Sanders I.**	14			1.5
Comparative genomics	**Reymond A.**, Kaessmann H.		14		1
Conservation genetics	**Fumagalli L.**	14			1.5
Current problems in conservation biology	**Wedekind C.**	14	14		2.5
Ecology of the fishes of Switzerland	**Rubin J.-F.**	7		10	1.5
Evolutionary Biology Workshop	**Kawecki T.**	14		32	3
Honeybee ecology, evolution and conservation	**Dietemann V.**	14			1.5
La recherche dans tous ses états	**Clavien C.**	14			1.5
Mating strategies and sex among plants	**Pannell J.**	7		14	1.5
Introduction to network analysis for biologists	**Vuilleumier S.**	14			1.5
Phylogeny and comparative methods	**Salamin N.**	7	14		1.5
Physiological ecology	**Bize P.**	14			1.5
Predictive models of species' distribution	**Randin C.**	14	14		2.5
Scientific Mediation and Communication	**Desvergne B.**, Kaufmann A.	28			3
Sexual selection	**Fitze P.**	14			1.5
Social evolution	**Lehmann L.**	14			1.5
Seminars of the Dept. of Ecology and Evolution	**Wedekind C.**		14		1
Optional internships					
Internship in Andalucia	**Roulin A.**, Christe P.			40	2
Ecology and faunistics of the sea shore, Roscoff	**Perrin N.**			56	3
Compulsory personal research project					
Personal Research Project - Master thesis	**Wedekind C.**			280	15

Semester 3

Course					ECTS Credits
Compulsory personal research project					
Personal Research Project - Master thesis					**30**