

MSc Economics

Specialization: Behaviour, Economics & Evolution (BEE)

Study Plan 2022-2023

Structure of the Master



Courses	Professors	Semesters				ECTS	Hours	Ev
		1 st sem Aut	2 nd sem Spri	3 rd sem Aut	4 th sem Spri			
MODULE 1: Average set (requires an average of 4.0 or above) of 30 credits compulsory								
Click for course syllabus								
Econometrics	Huber M.	●				7,5	4h+1	E 2h
Macroeconomics	St-Amour P.	●				7,5	3h+2	E 3h
Microeconomics	Klaus B.	●				7,5	4h+1	E 3h
Mathematics for Economic Policy	Strimbu O.	●				1,5	1h	E 2h
Genes, Populations, and Evolution	Lehmann L.	●				6	4h	E oral

MODULE 2: 60 ECTS elective**COMPULSORY COURSES (15 ECTS)**

Behaviour, Economics and Evolution Lecture Series	Lehmann L./Santos Pinto L.		●			6	4h	A,C
Environmental Economics	Houde S.		●			6	4h	E 2h
The Evolution of Cooperation: From Genes to Learning and Culture	Lehmann L.		●			3	2h	E oral

BEE ELECTIVE COURSES (select 12 ECTS including 3 ECTS from FBM)

Neuro Economy	Villa A.		●			6	4h	E
Biological Invasions	FBM - Bertelsmeier C.		●			1,5	1h	A oral
Co-evolution, Mutualism, Parasitism	FBM - Sanders I.		●			1,5	1h	A oral
Sex, Ageing, and Foraging Theory	FBM - Mullan Ch.		●			1,5	1h	A oral
Spatial Modelling of Species and Biodiversity	FBM - Guisan A.		●			3	2h	A
Behavioral Economics	Santos Pinto L.			●		6	4h	A,B
Human Behavior and Evolutionary Inference	Efferson C.			●		6	4h	A,B
Introduction to Primate Behavior, Cognition and Culture	FBM - van de Waal E.			●		1,5	1h	A oral
Leadership Development	Bendahan S.			●		3	2h	E 2h
Organizational Theory and Decision Making	Zehnder C.			●		6	4h	E 2h
Animal Communication and Parasitism	FBM - Christe P./Roulin A.			●		1,5	1h	E 1h30
Major Transitions in Evolution - <i>not in Aut 22</i>	FBM - Keller L.			●		1,5	1h	A

GENERAL ELECTIVE COURSES (select 36 ECTS)

Advanced Programming	Scheidegger S./Eftekhari		●			6	4h	A,B,C
Advanced Topics in Industrial Organization (ATIO)	Hakimov R., Strimbu O.		●			6	4h	A,B
Business Cycles	Siena D.		●			6	4h	E 4h
Economic Growth	Rotesi T.		●			6	4h	E 2h
Experimental Methods	Hakimov R.		●			6	4h	A,B,C
Financial Institution & Regulation	Bruhina A.		●			6	4h	E 2h
Game Theory	Santos Pinto L.		●			6	4h	A,B
International Macroeconomics	Bacchetta P.		●			6	4h	E 2h
Macroeconometrics	Renne J-P.		●			6	4h	E 2h
Microeconometrics	Renne J-P.		●			3	2h	E 2h
Political and Institutional Economics	Rohner D.		●			6	4h	E 2h
Public Economics	Fourati M./Rubolino E.		●			6	4h	E 2h
Development Economics	Nigmatulina D.			●		6	4h	A,B
Dynamic Macroeconomic Models	Eyquem A.			●		6	4h	A,B
Economic Analysis and Communication	Montez J.			●		6	4h	A, B,
Economic Forecasting for Decision Making	Grobéty M.			●		6	4h	A,C
Health Economics	Dusheiko M.			●		6	4h	E,A,B
International Trade	Brühlhart M.			●		6	4h	E 2h
Labor Economics and Policy	Lalive R.			●		3	2h	A,C
Macroeconomics of Financial Crises	Benigno G.			●		6	4h	E 2h
Macroeconomic Policy	Benhima K.			●		6	4h	A,B
Regulatory Economics	Thoeni C.			●		3	2h	E 2h
Courses outside MScE program - check page 2 for details			●	●				

MODULE 3: 30 ECTS compulsory

Master Thesis - academic or internship*	Choose your supervisor				●	30		
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Legend:

Aut 1: Autumn 1st semester; **Spri 2:** Spring 2nd semester; **Aut 3:** Autumn 3rd semester; **Spri 4:** Spring 4th semester

ECTS: Credits

Hours: Nb of hours per week

Ev: Evaluation type (A: presentation / B: problem sets / C: term paper / E: exam)

Useful information:

1. Read the [Regulations](#) of this program.
2. This program has 120 credits.
3. Module 1 is a common track including the refresher course Ecology and Evolution (6 ECTS).
4. Module 2 offers a range of courses:
 - you must attend the compulsory courses (12 ECTS) recognized for the BEE.
 - you must choose 12 ECTS from the BEE elective courses including 3 ECTS among the FBM (Faculty of Biology & Medicine) courses.
 - you must choose 36 ECTS from the general elective courses.
5. Module 3 consists of your Master thesis.
6. In addition, 6 ECTS may be taken in courses of other Masters' programs not covered by this study plan. However, doing that requires the approval of the MScE Director.
7. Registration for the 3rd and subsequent semester examinations is only allowed if the student has fully met the requirements for obtaining the ECTS credits of module 1 corresponding to the compulsory series of examinations of the first semester.
8. For those taking **FBM courses**, you can find the Moodles of the FBM courses (if any) at moodle.unil.ch **The schedule of these courses is to be found on the page here under the schedule of MScBEC-spécialisation BEE, version n.**
To register in the FBM courses/exams you need to do it BEFORE 17 OCTOBER 2022 for Autumn semester and BEFORE 19 MARCH 2023 for spring semester via biologie-etudiants@unil.ch. BE CAREFUL, some courses have limited attendance. Don't wait up!

Due to the health evolution linked to COVID-19, the study plans may undergo the following adaptations during the semester:

- * possibility to switch from one teaching mode to another (face-to-face <-> distance learning, synchronous <-> asynchronous, switch to co-modal teaching where it was not foreseen at the beginning).
- * adaptation of assessment methods, without leading to derogations from the study regulations (oral <-> written, examination <-> validation, individual work <-> group work, practical work <-> theoretical work, in-person assessment <-> online assessment, etc.)
- * alternative or shifted modalities for courses, internships, practical work, fieldwork and camps that could not take place or courses that could no longer take place in the form initially planned.

Students are invited to consult regularly the study plans, syllabi and their email.

Courses outside MScE Study Plan with a limit of 6 ECTS:

To register in the IHEID courses : <https://www.graduateinstitute.ch/visiting-students>

Courses	Professors	A1	S2	A3	S4	ECTS	Lang	Ev
Pre-approved courses (at the Graduate Institute - IHEID)								
Advanced International Trade A: Neoclassical Trade Theories	Baldwin R.			●		3	E	D
Advanced International Trade A: New Trade Theories	Baldwin R.			●		3	E	D
Competition Law and Economics	Neven D.		●			6	E	D
Econometrics II (lecture full)	Panizza U.		●			6	E	D
Economic History	Sussman N.		●			6	E	D
Advanced International Macroeconomics B: International Policy: Constraints, Changing Effectiveness, and New Tools	Tille C.		●			3	E	D
Advanced International Macroeconomics B: Policies to Harness Financial Globalisation	Tille C.		●			3	E	D

Examples of courses requiring approval by the Director of the MScE								
Data Mining and Machine Learning	Vlachos M.			●		6	E	B,E
Ecological Economics and Transition	Boisvert V./Moussu N.			●		6	E	E
International Finance	Zhao Z.			●		6	E	B,E
Mergers, Acquisitions, and Corporate Restructurings	Grognez C.			●		6	E	B,E
Probability and Stochastic Processes	Albrecher H.			●		6	E	E
Advanced Data Analysis	Scheidegger S.		●			6	E	B
Droit International Économique	Ziegler A.		●			6	E	E
Environmental Crisis and Societal Change	Palazzo G./Vejdovsky B.		●			3	E	C
Fixed Income and Credit Risk	Rockinger M.		●			6	E	E
International Commercial Arbitration	Bonomi A./Lein E.		●			6	E	O