

Study program of the Master in Economics (MScE) with BEE specialization 2020-2021

Courses	Professor	Semester	ECTS	Hours	Evaluation*
Module 1					
Econometrics	M. Huber	4.1	7.5	4h+1	E 2h
Macroeconomics	K. Benhima	4.1	7.5	3h+2	E 3h
Microeconomics	B. Klaus	4.1	7.5	4h+1	E 3h
Mathematics for Economic Policy	M. Raghavan	4.1	1.5	1h	E 2h
Genes, Populations, and Evolution	L. Lehmann	4.1	6	4h	E oral
Module 2					
Advanced Topics in Industrial Organization	O. Strimbu/C. Bach	4.2	6	4h	A, B
Behavior, Economics and Evolution Lecture Series	L. Lehmann/L. Santos-Pinto	4.2	6	4h	A, C
Business Cycles	F. Bilbiie	4.2	6	4h	E 4h
Economic Growth	J. Buggle/T. Rotesi	4.2	6	4h	E 2h
Environmental Economics	S. Di Falco	4.2	3	2h	E 2h
Financial Institutions & Regulation postponed to 2022	A. Bruhin	4.2	6	4h	E 2h
Game Theory	L. Santos-Pinto	4.2	6	4h	A, B
International Macroeconomics	P. Bacchetta	4.2	6	4h	E 2h
Macroeconometrics	J.-P. Renne	4.2	6	4h	E 2h
Microeconometrics	J. Maurer	4.2	6	4h	E 2h
Neuro Economy	A. Villa	4.2	6	4h	E 2h
Political and Institutional Economics	D. Rohner/A. Saia	4.2	6	4h	E 2h
Programming	S. Scheidegger	4.2	6	4h	TBA
Public Economics	C. Terrier/M. Fourati	4.2	6	4h	E 2h
The Evolution of Cooperation: From Genes to Learning and Culture	L. Lehmann	4.2	3	2h	E oral
Optional courses from the faculty of Biology and Medicine (FBM)					
- Biological Invasions	C. Bertelsmeier	4.2	1.5		
- Co-evolution, Mutualism, Parasitism	I. Sanders	4.2	1.5		
- Current Problems in Conservation Biology	C. Wedekind	4.2	3		
- Introduction to Primate Behavior, Cognition and Culture	E. van de Waal	4.2	1.5		
- Spatial Modelling of Species and Biodiversity	A. Guisan	4.2	3		
Behavioral Economics	L. Santos-Pinto	5.1	6	4h	A, B
Development Economics	E. Esposito/T. Rotesi	5.1	6	4h	A, B
Dynamic Macroeconomic Models	J. Brumm	5.1	6	4h	A, B
Economic Analysis and Communication	J. Montez	5.1	6	4h	
Economic Forecasting for Decision Making	M. Grob�ty	5.1	6	4h	A, C
Experimental Methods	R. Hakimov/R. Schmacker	5.1	6	4h	A, B, C
Health Economics	J. Maurer/M. Dusheiko	5.1	6	2h	E 1h30, A, B
Human Behavior and Evolutionary Inference	C. Efferson	5.1	6	4h	
International Trade	E. Milet	5.1	6	4h	E 2h
Labor Economics and Policy	R. Lalive	5.1	3	2h	A, C
Leadership Development	S. Bendahan	5.1	3	2h	E 2h
Macro Finance	P. St-Amour	5.1	3	2h	E 2h
Macroeconomics of Financial Crises postponed to 2022		5.1	6	4h	E 2h
Macroeconomic Policy	M. Davenport	5.1	6	2h	A, B
Organizational Theory and Decision Making	C. Zehnder	5.1	6	4h	E 2h
Regulatory Economics	C. Thoeni	5.1	3	2h	E 2h
Optional course from the faculty of Biology and Medicine (FBM)					
- Animal Communication and Parasitism	P. Christe/A. Roulin	5.1	1.5		
- Major Transitions in Evolution	L. Keller	5.1	1.5		

Module 3

Master Thesis		5.2	30		
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ECTS foundation courses	30
ECTS compulsory courses	12
ECTS elective courses	12
ECTS elective courses	36
ECTS Master thesis	30

How to read this study plan?

The BEE specialization consists of three modules and lasts four semesters.

The first module, semester 4.1, is a common track including the refresher course Ecology and Evolution (6 ECTS).

The second module, semesters 4.2 and 5.1, offers a range of courses.

- you must attend the compulsory courses (12 ECTS) recognized for the BEE (in green).

- you must also choose (12 ECTS) from the list of elective courses (in yellow) recognized for the BEE including (3 ECTS) among the list of the FBM courses.

- you must also choose (36 ECTS) from the list of elective courses (in white).

The third module, semester 5.2, consists of your Master thesis.

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.

Evaluation*

A = presentation B = exercises C = written report E = exam

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.