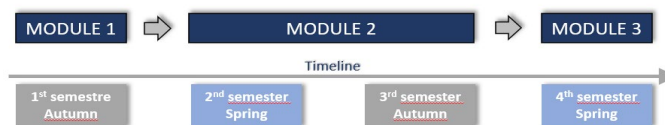


MSc Economics

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 33 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 | | |
|---|------------------------|--|--|--|---|----|--|--|

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 (15 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 33 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 |