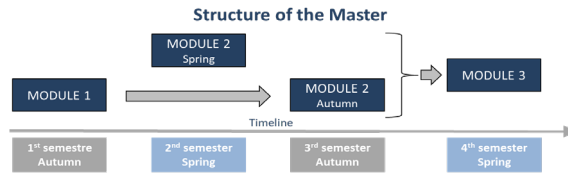


HEC Lausanne  
**MSc Economics**  
 120 credits ECTS  
 Study Plan 2023-2024



Courses	Professors	Semesters				ECTS	Hours	Language	Types of evaluation	Exam duration	Mentions										Spec.				
		1 <sup>st</sup> sem Aut	2 <sup>nd</sup> sem Spri	3 <sup>rd</sup> sem Aut	4 <sup>th</sup> sem Spri						Data science	Development Economics	Environmental Economics	Macroeconomic Policy	Microeconomic Policy	Public Economics	Quantitative Economics	Behavior, Econo & Evolution							
<b>MODULE 1: Average set (≥4.0) of compulsory courses - 30 credits ECTS</b>																									
<b>SUBMODULE 1.1: Foundation - 22.5 credits ECTS</b>																									
Econometrics	Huber M.	●				7.5	4h+1	E	E	90															
Macroeconomics	Tièche S. / Phillot M.	●				7.5	3h+2	E	VCN + E	120															
Microeconomics	Feizi M.	●				7.5	4h+1	E	VCN + E	180															
<b>SUBMODULES 1.2: Choose A, B or C - 7.5 credits ECTS</b>																									
<b>A. Mathematics</b>																									
Applied Mathematics	Strimbu O.	●				1.5	1h	E	E	90															
Mathematics for Economics and Finance	Schürhoff N.	●				6	4h+1	E	VCN + ENEP	180															
<b>B. Economic Policy</b>																									
Economic Policy Seminar	Maurer J.	●				6	4h	E	VCN	N/A															
Mathematics for Economic Policy	Strimbu O.	●				1.5	1h	E	VCN	N/A															
<b>C. Behavioral Economy &amp; Evolution - Compulsory for BEE</b>																									
Genes, Populations, and Evolution	Lehmann L.	●				6	4h	E	O	15															
Mathematics for Economic Policy	Strimbu O.	●				1.5	1h	E	VCN	N/A															
<b>MODULE 2: Optional courses for Mentions and the BEE Specialisation - 60 credits ECTS</b>																									
Advanced Programming	Scheidegger S.		●			6	4h	E	VCN	N/A	CORE		CORE									CORE			
Advanced Data Analysis	Scheidegger S.		●			6	4h	E	VCN	N/A	SUPP											SUPP			
Advanced Topics in Industrial Organization (ATIO)	Hakimov R.		●			6	4h	E	VCN	N/A			SUPP		CORE							SUPP			
Behaviour, Economics and Evolution Lecture Series	Lehmann L./Santos Pinto L.		●			6	2h	E	VCN	N/A			SUPP									CORE			
Business Cycles	Siena D.		●			6	4h	E	E	120	SUPP			CORE								CORE			
Economic Growth	Vlachos S.		●			6	4h	E	VCN + E	120		CORE										SUPP			
Environmental Economics	Houde S.		●			6	4h	E	VCN	N/A	SUPP	CORE		CORE	SUPP							CORE			
Experimental Methods	Hakimov R.		●			6	4h	E	VCN	N/A	SUPP	SUPP		SUPP								SUPP			
Financial Institution & Regulation	Bruhlin A.		●			6	4h	E	VCN + E	120			SUPP	CORE	SUPP										
Game Theory	Klaus B.		●			6	4h	E	VCN + E	180		SUPP		CORE								SUPP			
International Macroeconomics	Bacchetta P.		●			6	4h	E	VCN + E	120				CORE								SUPP			
Macroeconometrics	Fourel V.		●			6	4h	E	VCN + ENEP	90	CORE			CORE								CORE			
Neuro Economie	Villa A.		●			6	4h	E	VCN	N/A												SUPP			
Political and Institutional Economics	Rohner D.		●			6	4h	E	VCN + E	120		CORE	CORE	SUPP	SUPP	CORE									
Public Economics	Rubolino E.		●			6	4h	E	VCN + E	120		SUPP	CORE	SUPP	CORE	CORE						SUPP			
The Evolution of Cooperation: from Genes to Learning and Culture	Lehmann L.		●			3	2h	E	O	15			SUPP									CORE			
Behavioral Economics	Santos Pinto L.		●			6	4h	E	VCN	N/A		SUPP			SUPP	SUPP						CORE			
Data Science and Machine Learning	Vlachos M.		●			6	4h	E	VCN + ENEP	120	CORE														
Development Economics	Nigmatulina D.		●			6	4h	E	VCN	N/A		CORE		SUPP	SUPP	CORE						SUPP			
Dynamic Macroeconomic Models	Eyquem A.		●			6	4h	E	VCN	N/A	SUPP			CORE								CORE			
Economic Analysis and Communication	Montes J.		●			6	4h	E	VCN	N/A	SUPP	SUPP	SUPP	SUPP	SUPP	SUPP						SUPP			
Economic Forecasting for Decision Making	Grobéty M.		●			6	4h	E	VCN + ENEP	60	CORE			SUPP									SUPP		
Health Economics	Dusheiko M.		●			6	4h	E	VCN + E	120		SUPP			SUPP	CORE									
Human Behavior and Evolutionary Inference	Efferson C.		●			6	4h	E	VCN	N/A													SUPP		
International trade	Brülhart M. / Nigmatulina D.		●			6	4h	E	VCN + E	120				CORE	SUPP								SUPP		
Leadership Development	Bendahan S.		●			3	2h	E	VCN	N/A													SUPP		
Macroeconomics of Financial Crises	Benigno G.		●			6	4h	E	VCN + E	120				CORE											
Macroeconomic Policy	Benhima K.		●			6	4h	E	VCN	N/A				CORE		SUPP									
Organizational Theory and Decision Making	Grieder M.		●			6	4h	E	VCN + ENEP	120													SUPP		
Regulatory Economics	Thoeni C.		●			3	2h	E	VCN	N/A			SUPP			SUPP							SUPP		
Courses outside MSCE program (See General information below)																									
<b>Specialisation: Only for the Behavioral Econ &amp; Evolution - School of Biologie (3 ECTS minimum required)</b>																									
Co-evolution, Mutualism, Parasitism	FBM - Sanders I.		●			2	1h	E	O	15													SUPP		
Sex, Ageing, and Foraging Theory	FBM - Mullon Ch.		●			2	1h	E	O	15													SUPP		
Spatial Modelling of Species and Biodiversity	FBM - Guisan A.		●			4	2h	E	VCN	N/A													SUPP		
Animal Communication and Parasitism	FBM - Christe P./Roulin A.		●			1.5	1h	E	E	90													SUPP		
<b>MODULE 3: Master thesis - 30 credits ECTS</b>																									
Thesis (Research or Internship)	Choose your thesis director			●		30	E	E	M	N/A															

### Thesis Information

1. Internships must be full time or at least 80% for a minimum of 12 weeks.
2. Only students having acquired 90 ECTS credits from Modules 1 and 2 are allowed to present their thesis.
3. [Research thesis guidelines here.](#)
4. [Internship thesis guidelines here.](#)

### Legend:

ECTS: Credits

Hours: Number of hours per week

Language: Teaching language (E: English)

Type of Evaluation: E: Examen écrit; ENEP: Examen numérique en présentiel; O: Examen oral; VCN: Validation continue notée; M: Mémoire; VCN+E: Validation continue notée et examen écrit; VCN+O: Validation continue notée et examen oral; VCN+ENEP: Validation continue notée et examen numérique en présentiel

Exam duration: per minute (N/A: non applicable; TBD: to be determined)

CORE	Core course to obtain the mention or the specialisation
SUPP	Supplementary course to obtain the mention or the specialisation

### General Information:

1. [Read the 2023-2024 Study Regulation.](#)
2. Courses are delivered face-to-face on campus
3. Mentions and the BEE specialisation consist of a set of core courses (CORE) and a set of supplementary courses (SUPP) in Module 2. To obtain a mention or the BEE specialisation, students must complete at least 30 credits ECTS from corresponding CORE and SUPP courses. **To obtain a mention or the BEE specialisation, students must complete at least 30 credits ECTS of which 18 ECTS come from the list of CORE courses and 12 ECTS from the list of SUPP courses. For those taking the BEE specialization, there is an additional requirement that at least 3 ECTS of SUPP courses are from courses offered by the School of Biology.** The BEE specialization will be on the diploma and the mentions on the diploma supplement.
4. Students taking FBM (Faculté de Biologie et de Médecine) courses, must register via [biologie-etudiants@unil.ch](mailto:biologie-etudiants@unil.ch). Details on courses can be found on [moodle.unil.ch](https://moodle.unil.ch). **Please be careful of registration deadlines and limited attendance of some courses.**
5. Students can take 6 credits ECTS in courses of other Masters not covered by this study plan (see list below). This is subject to approval by the Director of this curriculum.
6. Students can take 6 credits ECTS in pre-approved courses at IHEID. Registration is via <https://www.graduateinstitute.ch/visiting-students>
7. The pandemic has shown us that circumstances beyond our control may require us to make the following adjustments to study plans during the academic year:
  - 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 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	Professors	Semesters				ECTS	Language	Type of eval	Exam duration
		A1	S2	A3	S4				
<b>Examples of courses requiring approval by the Director of the MScE</b>									
Ecological Economics and Transition	Boisvert V./Moussu N.			●		6	E	VCN + O	N/A
International Finance	Zhao Z.			●		6	E	VCN + E	90
Mergers, Acquisitions and Corporate Restructurings	Nikolov B. /Grognez C			●		6	E	VCN	N/A
Probability and Stochastic Processes	Albrecher H.			●		6	E	VCN + E	180
Advanced Data Analysis	Scheidegger S.		●			6	E	VCN	N/A
Droit International Économique	Ziegler A.		●			6	E	E	120
Environmental Crisis and Societal Change	Palazzo G./Vejdovsky B.		●			3	E	VCN	N/A
Fixed Income and Credit Risk	Rockinger M.		●			6	E	ENEP	240
International Commercial Arbitration	Bonomi A./Lein E.		●			6	E	O	15
<b>Pre-approved courses (at the Graduate Institute - IHEID)</b>									
Applied Environmental and Resource Economics	Swanson T./Imelda I.			●		6	E	TBC	TBC
Climate Change and Environmental Economics	Noailly J.			●		6	E	TBC	TBC
Data and Text-Analysis Using Python	Noailly J.			●		6	E	TBC	TBC
International Finance	Panizza U.			●		6	E	TBC	TBC
Competition Law and Economics	Neven D.		●			6	E	TBC	TBC
Topics in Economic History	Sussman N./Esteves R.		●			6	E	TBC	TBC