

Code	Title	Instructor	ECTS	Semester	H/week	Grading policy
Compulsory courses¹						
5ER2028	Microeconomic Policy	<i>M. Farsi</i>	6	Autumn	4	E
5ER2051	Health Economics and Policy	<i>J. Marti</i>	3	Autumn	2	E
5EN2022	Social Policy	<i>D. Ilić ; T. Brändle</i>	3	Autumn	2	E
5AF2017	Applied Macroeconometrics	<i>D. Kaufmann</i>	6	Autumn	4	EI+E
5ER2043	Globalization and Trade Policy	<i>G. Loumeau</i>	6	Spring	4	EI+E
5ER2053	Economic Research and AI	<i>Q. Gallea</i>	3	Spring	2	EI+O
5ER2054	Macroeconomic Policy	<i>P. Wegmüller</i>	3	Spring	2	E
5ER2020	Applied Microeconometrics	<i>B. Lanz</i>	6	Spring	4	EI+E
Elective courses²						
5ER2041	Empirical Labor Economics	<i>R. Strobl</i>	6	Autumn	4	EI+E
5ER2048	Monetary Policy in a New Era	<i>F. Canetg</i>	3	Autumn	2	EI
5ER2050	Behavioral Economics	<i>C. Zihlmann ; G. Wald</i>	3	Autumn	2	EI+E
5ER2019	Political Economy	<i>P. Fortunato</i>	3	Spring	2	E
5ER2052	International Finance and Macroeconomics	<i>D. Kaufmann</i>	3	Spring	2	E
5TS2012	Introduction to Survey (Experiment) Methods in Social Science Research ⁴	<i>M. Slotwinski</i>	3	Spring	2	EI
Elective courses: Track in <i>Data Science</i>^{2,3}						
5MI2017	Data Management	<i>I. Ciorascu</i>	6	Autumn	4	EI+E
5AF2029	Programming	<i>V. Macko</i>	3	Autumn	2	E
3IN2011	Machine Learning and Data Mining ⁵	<i>C. Dimitrakakis</i>	5	Autumn	4	E
3IN2064	Reinforcement Learning and Decision Making under Uncertainty ⁵	<i>C. Dimitrakakis</i>	5	Spring	4	EI+E
5MI2018	Machine Learning	<i>I. Ciorascu</i>	6	Spring	4	EI+E
Elective courses: Track in <i>Sustainability</i>^{2,3}						
5ER2017	Global Public Goods	<i>J.-M. Solleder</i>	3	Autumn	2	E
5ER2055	Sustainable Cities	<i>G. Loumeau</i>	6	Autumn	4	E
5ER2023	Environmental Economics	<i>N. Mathys</i>	3	Spring	2	E
5AF2049	Sustainable Finance	<i>P. Efremenko</i>	6	Spring	4	EI+E
Total courses			72			
5ER2047 or 5ER2046	Master thesis or internship thesis ⁶		18			
Total programme			90			

¹ During the first semester, students must attend and pass at least three compulsory courses in the first attempt.

² Students select elective courses to complete the required total of 72 ECTS. Elective courses that are not listed on the study plan require the programme director's prior approval (form available on the programme website).

³ Minimum 12 ECTS with sufficient grades among these courses required to obtain a track in *Data Science* or in *Sustainability*.

⁴ Enrollment in the course requires prior registration at messagerie.itts@unine.ch until 31 January.

⁵ Enrollment in the course and exam is subject to specific conditions and must be completed within the designated deadlines: See mcs.unibnf.ch/organization/

⁶ To obtain a track, the thesis must be written on a topic in the corresponding field.

The relevant terms of evaluation are specified in the course descriptions. E: written exam during the exam session at the end of the semester. O: oral exam during the exam session at the end of the semester. EI: evaluation during the semester.

LEARNING OUTCOMES

On completion of this programme, students will be able to:

Overarching skills

- Conduct and communicate evidence-based analysis to support economic decisions, from private decisions to public policies

Knowledge and understanding

- Work with a set of economic models that are useful for applied analysis
- Understand how causal relationships can be identified from economic data
- Exploit economic data for predictions

Applying knowledge and understanding

- Apply abstract analytical frameworks to real-world issues
- Construct datasets that are relevant to economic decisions
- Undertake econometric analyses with state-of-the-art software

Making judgements

- Assess theories and empirical evidence on a specific economic issue
- Formulate recommendations to prepare economic decisions or policies

Communication skills

- Define objectives and contributions of academic research to existing knowledge
- Combine different sources of information to form a coherent and sound argument
- Communicate results to specialists and non-specialists (orally and in writing)

Learningskills

- Adopt an analytical and scientific approach to solve individual or societal problems
 - Establish contacts to gather the required information
 - Contribute actively to teamwork and team-building
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