

Master in Economics : Econometrics

Focus Research in Economics

Both variants of the Master consist of a common core of required courses, and a series of elective courses; they also both require the writing of a master's thesis.

The research-oriented Master in Economics offers two specialisation tracks:

- > Advanced Methods
- > Topics in Economics

The research-oriented Master in Economics and Statistics offers two specialisation tracks:

- > Economics
- > Statistics

Bloc 1 | M-ECOER | MA-ECO

Cours Obligatoires

ECON-S427	Graduate macroeconomics I Fabio Blasutto (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
ECON-S428	Graduate econometrics I Germain VAN BEVER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
ECON-S429	Graduate econometrics II Paula Eugenia GOBBI (Coordinator) and Alejandra Ramos ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S430	Graduate macroeconomics II Robert KOLLMANN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S431	Graduate microeconomics II Luca Paolo Merlino (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S510	Graduate microeconomics I Georg KIRCHSTEIGER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
ECON-S517	Research topics Philip VERWIMP (Coordinator) and Gani ALDASHEV ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
MATH-S400	Mathematics and economic modelling Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino ⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 first term 🗨 English
MATH-S401	Dynamic optimization Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino ⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 second term 🗨 English

Master in Economics : Econometrics

Focus Research in Economics

Bloc 2 | M-ECOER | MA-ECO

Cours Obligatoires

- ECON-S504 **Research methods and research communication** | Philip VERWIMP (Coordinator)
 ⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- MEMO-S522 **Research seminar and master Thesis**
 ⌚ 25 credits 📅 first and second terms 🗨 English

Cours Optionnels

Choisir parmi les 2 filières proposées (15 crédits dans chaque filière)

A total of 30 credits chosen from the following

Advanced methods

A total of 15 credits chosen from the following

- ECON-S460 (optional) **Advanced topics in microeconomics** | Micael CASTANHEIRA DE MOURA (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S461 (optional) **Advanced topics in macroeconomics**
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S513 (optional) **Behavioral economics** | Georg KIRCHSTEIGER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S519 (optional) **Graduate microeconomics III** | Georg KIRCHSTEIGER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English
- ECON-S520 (optional) **Graduate macroeconomics III**
 ⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- ECON-S521 (optional) **Graduate econometrics III** | David PREINERSTORFER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
 Ce cours ne sera pas donné en 2022-2023.

One course chosen from the following

- HULB-0000 (optional) **Cours externe à l'Université**
 ⌚ 5 credits 📅 academic year
- HULB-0000 (optional) **Cours externe à l'Université**
 ⌚ 10 credits 📅 academic year
- STAT-F404 (optional) **Graduate statistics** | Thomas VERDEBOUT (Coordinator) and Davy PAINDAVEINE
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English

STAT-F405 (optional) **Time series analysis** | Yves-Caoimhin SWAN (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨 English

STAT-F408 (optional) **Computational statistics** | Maarten JANSEN (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h, project: 100h] 📅 second term 🗨 English

TEMP-0000 (optional) **Cours extérieurs au programme**
⌚ 5 credits 📅 academic year 🗨 French

Topics in economics

A total of 15 credits chosen from the following

ECON-S320 (optional) **Advanced topics in international economics** | Mathieu PARENTI (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

ECON-S432 (optional) **Advanced international trade** | Mathieu PARENTI (Coordinator), Filippo Biondi and Paola CONCONI
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

ECON-S451 (optional) **Advanced industrial organization** | Mattia Nardotto (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English

ECON-S453 (optional) **Impact analysis** | Philip VERWIMP (Coordinator)
⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗨 English

ECON-S529 (optional) **Development economics** | Philip VERWIMP (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

One course chosen from the following

HULB-0000 (optional) **Cours externe à l'Université**
⌚ 5 credits 📅 academic year

HULB-0000 (optional) **Cours externe à l'Université**
⌚ 10 credits 📅 academic year

Master in Economics : Econometrics

Focus Research in Economics and statistics

Both variants of the Master consist of a common core of required courses, and a series of elective courses; they also both require the writing of a master's thesis.

The research-oriented Master in Economics offers two specialisation tracks:

- > Advanced Methods
- > Topics in Economics

The research-oriented Master in Economics and Statistics offers two specialisation tracks:

- > Economics
- > Statistics

Bloc 1 | M-ECOES | MA-ECOIE

Cours obligatoires

ECON-S427	Graduate macroeconomics I Fabio Blasutto (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
ECON-S428	Graduate econometrics I Germain VAN BEVER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
ECON-S429	Graduate econometrics II Paula Eugenia GOBBI (Coordinator) and Alejandra Ramos ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S430	Graduate macroeconomics II Robert KOLLMANN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S431	Graduate microeconomics II Luca Paolo Merlino (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
ECON-S510	Graduate microeconomics I Georg KIRCHSTEIGER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨 English
STAT-F404	Graduate statistics Thomas VERDEBOUT (Coordinator) and Davy PAINDAVEINE ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English
STAT-F405	Time series analysis Yves-Caoimhin SWAN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨 English
STAT-F407	Stochastic models Maarten JANSEN (Coordinator) and Jennifer ALONSO GARCIA ⌚ 5 credits [lecture: 36h, tutorial classes: 12h] 📅 first term 🗨 English

Master in Economics : Econometrics

Focus Research in Economics and statistics

Bloc 2 | M-ECOES | MA-ECOIE

Cours obligatoires

- ECON-S504 **Research methods and research communication** | Philip VERWIMP (Coordinator)
 ⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- MEMO-S522 **Research seminar and master Thesis**
 ⌚ 25 credits 📅 first and second terms 🗨 English

Cours optionnels

Parmi les 2 filières proposées,

A total of 25 credits chosen from the following








Economics





2 to 4 courses chosen from the following





- ECON-S320 (optional) **Advanced topics in international economics** | Mathieu PARENTI (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S432 (optional) **Advanced international trade** | Mathieu PARENTI (Coordinator), Filippo Biondi and Paola CONCONI
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S451 (optional) **Advanced industrial organization** | Mattia Nardotto (Coordinator)
 ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
- ECON-S453 (optional) **Impact analysis** | Philip VERWIMP (Coordinator)
 ⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗨 English
- ECON-S460 (optional) **Advanced topics in microeconomics** | Micael CASTANHEIRA DE MOURA (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S461 (optional) **Advanced topics in macroeconomics**
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S513 (optional) **Behavioral economics** | Georg KIRCHSTEIGER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S519 (optional) **Graduate microeconomics III** | Georg KIRCHSTEIGER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English
- ECON-S520 (optional) **Graduate macroeconomics III**
 ⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- ECON-S521 (optional) **Graduate econometrics III** | David PREINERSTORFER (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- Ce cours ne sera pas donné en 2022-2023.

Statistics

2 to 4 courses chosen from the following

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|-------------------------|--|
| HULB-0000
(optional) | Cours externe à l'Université
5 credits  academic year |
| INFO-F422
(optional) | Statistical foundations of machine learning Gianluca BONTEMPI (Coordinator)
5 credits [lecture: 24h, tutorial classes: 12h, project: 60h]  second term  English |
| STAT-F408
(optional) | Computational statistics Maarten JANSEN (Coordinator)
5 credits [lecture: 24h, tutorial classes: 12h, project: 100h]  second term  English |
| STAT-F418
(optional) | Topics in nonparametric smoothing Maarten JANSEN (Coordinator)
5 credits [lecture: 24h, tutorial classes: 12h]  first term  English

Ce cours n'est pas donné en 2023-24 ,2025-26 etc. |
| STAT-F420
(optional) | Topics in mathematical statistics Thomas VERDEBOUT (Coordinator)
5 credits [lecture: 24h, tutorial classes: 12h]  first term  English |
| STAT-F421
(optional) | Topics in probability theory Yves-Caoimhin SWAN (Coordinator)
5 credits [lecture: 24h, tutorial classes: 12h]  second term  English

Ce cours n'est pas donné en 2024-2025, 2026-2027 etc. |
| STAT-F507
(optional) | Sequential analysis
5 credits [lecture: 24h]  second term  English |
| TEMP-0000
(optional) | Cours extérieurs au programme
5 credits  academic year  French |

