 *The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.*

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In English

Dissertation/Graduation Project : **YES** - Internship : **NO**

Activities in English: **YES** - Activities in other languages : **NO**

Activities on other sites : **optional**

Main study domain : **Sciences économiques et de gestion**

Organized by: **Faculty of Economic, Social and Political Sciences and Communication (ESPO)**

Programme acronym: **ETRI2M** - Francophone Certification Framework: 7

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ETRI2M - Introduction

Introduction

Introduction

Organised in collaboration with the UNamur and the KU Leuven and equivalent to the MPhil programmes of foreign universities (UK, Netherlands, for example), the master in economic sciences, econometrics orientation is designed for students who envisage continuing their training with a third cycle (doctorate) and wish to receive in two years a training in research that will enable them to pursue a doctoral thesis project under ideal conditions. The courses are given in English by researchers who propose advanced questions in topics of pure economics.

THIS PROGRAMME IS GIVEN AND EVALUATED ENTIRELY IN ENGLISH.

Your profile

- You have good skills in mathematics and statistics and wish to contribute to the analysis of the most recent economic and social questions;
- you wish to do research and envisage continuing your education with a doctorate;
- you are interested in pure economics and wish to acquire an analytical expertise on economic matters.

Your future job

Our graduates will orient themselves both towards the private sector and towards the public or institutional sector, where they will hold analytical positions and participate in decision-making of all kinds: economic policy decisions or strategic corporate decisions.

Your programme

The master offers you

- the possibility of composing your programme à la carte to acquire expertise in a specialised area, as a function of your field of research;
- advanced training in the methodological tools of the economist; many personal works and research seminars on specialised issues;
- a preparation for writing scientific articles in your area of specialisation;
- an integration into international research teams for doing your thesis.

POSSIBILITY TO PARTICIPATE IN THE OUTSTANDING ERASMUS MUNDUS PROGRAMME

The QEM Models and Methods of Quantitative Economics is an Erasmus Mundus Joint Master Degree (**EMJMD**) that has been running since 2006. The newest edition called **QEM2018** is offered by the [Université Paris 1 Panthéon-Sorbonne](#) (France), the coordinating institution, [Université catholique de Louvain](#) (Belgium), [Universitat Autònoma de Barcelona](#) (Spain), [Università Ca' Foscari Venezia](#) (Italy), and [Warsaw School of Economics](#) (Poland).

ETRI2M - Teaching profile

Learning outcomes

Become an expert actor in economic life, capable of rigorously and critically analyzing contemporary socio-economic issues as well as specific questions with an analytical expertise perspective rooted in quantitative economics, and capable of undertaking high-level research projects or holding key strategic positions in the private, public, or institutional sectors.

These are the challenges that students of the Master [120] in Economics: Econometrics (jointly offered by UCLouvain-UNamur) are prepared to meet.

As with any second-cycle program offered by the School of Economics at UCLouvain, this master aims to train university economists capable of understanding and analyzing concrete economic and social issues of their time with clear and rigorous analytical reasoning, capable of explaining and communicating their analyses to diverse audiences, and capable of integrating their analyses into broader contexts.

The more specific objective of the Master [120] in Economics: Econometrics, is to train university economists who:

- Master specialized knowledge in quantitative economics subjects,
- Master advanced methodological tools and strong analytical skills,
- Have developed expertise in a specific domain,
- Are capable of thinking about, understanding, and analyzing complex and specific economic and social issues as well as advanced questions in quantitative economics:
 - By developing clear and rigorous economic reasoning, highly conceptual, and demonstrating analytical expertise rooted in quantitative economics,
 - With a global approach, at the local, national, European, and global levels,
- Are capable of discussing and debating specific questions with researchers/experts/specialists,
- Are capable of writing scientific articles in their chosen field of specialization.

Aware of the responsibility inherent to their profession, graduates will have integrated a critical university actor attitude, capable of making autonomous decisions and taking responsibilities for them. Versatile in their expertise, especially on the methodological and conceptual level, they are capable of **questioning, enriching, and evolving the contents, processes, and purposes of professional practices, critically examining innovations from research and mobilizing them to inform professional practices**. They will have integrated a continuous development logic that allows them to be professionals demonstrating expertise, versatility, and the ability to adapt and evolve positively in their social and professional environment.

On successful completion of this programme, each student is able to :

1. Develop an advanced economic reasoning

Develop an advanced economic reasoning: create an analysis with an expert perspective rooted in the quantitative economics of complex questions/problems, implementing a rigorous scientific approach and using advanced methodological tools and strong analytical skills.

- 1.1. Identify the relevant questions and discerningly synthesize the essential elements for their understanding.
- 1.2. Identify and justify what makes a model useful and in which context to use it, particularly by identifying the role of assumptions.
- 1.3. Identify and justify, in relation to concrete problems and their specificities, the relevant analytical methods.
- 1.4. Develop clear and rigorous analytical reasoning, demonstrating a high level of conceptualization and analytical expertise rooted in quantitative economics.
- 1.5. Identify and justify the relevant empirical methods to evaluate and study theoretical and/or practical questions.
- 1.6. Collect and select relevant data, assess their limitations, and conduct an appropriate statistical analysis.
- 1.7. Interpret the results of the statistical analysis, explain the underlying statistical problems and limitations, and develop relevant conclusions regarding the questions studied.

2. "Problem solver"

Think, analyze, and solve complex and specific socio-economic questions as well as advanced quantitative economic issues in a relevant, critical, and innovative manner, using an approach rooted in advanced economic reasoning and in interaction with other disciplines in the social sciences, demonstrating intellectual and methodological autonomy.

- 2.1. Identify and take into account the interactions between economic analyses and analyses from other social sciences and humanities, and exercise a critical perspective.
- 2.2. Develop a critical perspective, specifically by distinguishing the positive and normative aspects of economics.
- 2.3. Propose an original way, rooted in advanced economic reasoning, to think about and solve an economic and social problem.
- 2.4. Demonstrate the ability to use economic tools, including advanced quantitative economic tools, in an innovative manner.
- 2.5. Think about, analyze, and solve complex and specific socio-economic problems/questions with a global perspective: "Helicopter view and Strategic Thinking," at the local, national, European, and international levels.
- 2.6. Think about, understand, analyze, and debate advanced questions in quantitative economics..

3. Mobilize specialized skills in quantitative economics

Master and critically mobilize a body of knowledge, tools, and specialized skills in quantitative economics to develop expertise in a specific (research) field, aiming for high-level professional careers in research or consultancy.

- 3.1. Master and critically mobilize specialized and advanced knowledge, tools, and skills in microeconomics.
- 3.2. Master and critically mobilize specialized and advanced knowledge, tools, and skills in macroeconomics.
- 3.3. Master and critically mobilize specialized and advanced knowledge, tools, and skills in econometrics.
- 3.4. Master and critically mobilize specialized and advanced knowledge, tools, and skills in quantitative methods and applied mathematics in economics.

4. Develop a high-level personal scientific research project

Design and develop a high-level personal scientific research project (thesis), implementing a rigorous methodological approach to delve into an open research question in quantitative economics, demonstrating a level of expertise that qualifies them to join a leading research team in quantitative economics.

- 4.1. Effectively use basic and specialized tools for research in quantitative economics.
- 4.2. Understand, synthesize, and discuss high-level scientific articles within the framework of research seminars.
- 4.3. Formulate an open research question in quantitative economics.
- 4.4. Report on the state of knowledge regarding this question by utilizing high-level scientific articles.
- 4.5. Conduct an in-depth personal scientific study on this research question following a rigorous methodological approach, demonstrating original scientific content (produced by the student) that meets the required level for a scientific publication in an international economics journal.
- 4.6. Write high-level scientific articles that meet the standards of a scientific article published in a recognized international economics journal.

5. Communication and Interpersonal Skills

Communicate in French and English professionally and in accordance with the requirements of scientific communication, both orally and in writing, adapting to the audience and context.

Collaborate respectfully and constructively with the various stakeholders involved in a given situation, particularly in the context of high-level research or consultancy.

- 5.1. Communicate in writing clearly and structured according to the specific communication standards of the context, adapting both content and form to the intended audience and objectives, especially for a specialist audience.
- 5.2. Communicate orally clearly and structured according to the specific communication standards of the context, adapting both content and form to the intended audience and objectives, especially for a specialist audience.
- 5.3. Present arguments effectively using technical language, tailored to the intended audience.
- 5.4. Present arguments effectively using simplified language, tailored to the intended audience.
- 5.5. Integrate and collaborate effectively within a team and with various stakeholders involved in a given situation, especially with peers on current research issues.
- 5.6. Communicate clearly, coherently, argumentatively, nuanced, and precisely in English, both orally and in writing, with ease on general topics or those related to the field of economics, adapting to the audience and context, especially in the context of high-level research or consultancy.
- 5.7. Debate and participate in reflective discussions on advanced economic issues with researchers/experts/specialists.

6. Act in an International Professional Environment

Act in an international professional environment as an academic economist, with a scientifically based approach rooted in quantitative economics, as a critical and responsible actor, having embraced a logic of continuous development.

- 6.1. Adapt to diverse and complex contexts and situations and act appropriately in a demanding and ever-changing professional world.
- 6.2. Operate in an international and multicultural environment where English is the common language.
- 6.3. Utilize your skills as an economist (specialized in quantitative economics) to engage, decide, and act autonomously and responsibly, whether pursuing a Ph.D. in a leading research team in quantitative economics or holding key strategic positions in the private, public, or institutional sectors.
- 6.4. Engage in professional practice with a theoretically and methodologically grounded academic approach, characterized by critical distance and a genuine capacity to influence the development of your environment.
- 6.5. Incorporate a logic of self-evaluation, learning, and continuous development essential for positive growth in your professional environment.

Programme structure

Structure

The 120 credit Master in Economic Sciences with Econometrics is centred on the research focus. The core subjects of the econometrics component is the same as the research focus of the general course. The 30 credits are therefore common to both the general course and the course with econometrics. In addition, the option "Advanced Economics I" is also common to these two orientations.

The 120 credit Master with econometrics comprises :

- core subjects of 75 credits ;
- a focus of 30 credits ;
- three courses to choose indifferently in the option "Advanced Economic I" or / and in the option "Advanced Economic II" (15 credits)

PLEASE NOTE THAT THIS PROGRAMME IS BOTH GIVEN AND ASSESSED IN ENGLISH

ETRI2M Programme

Detailed programme by subject

CORE COURSES [75.0]

- Mandatory
- ✘ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

● Essay paper and Thesis (40 credits)

● LETRI2900	Thesis		EN [q1 or q2] [] [20 Credits] 🌐		X
● LETRI2800	Essay paper		EN [q1 or q2] [] [15 Credits] 🌐	X	
● LETRI2910	Tutorial		EN [q1 or q2] [0h+6h] [5 Credits] 🌐		X

● Advanced Courses in Economics (15 credits)

3 courses out of the following will be offered every year. The student who wants to replace one of these courses by another one from the list Advanced Economic Analysis II will introduce a motivated request.

✘ LECON2701	Advanced course in economics I		EN [q1] [15h] [5 Credits] 🌐		X
✘ LECON2702	Advanced course in economics II	Amma Panin	EN [q1] [15h] [5 Credits] 🌐		X
✘ LECON2703	Advanced course in economics III	Francesca Monti	EN [q1] [15h] [5 Credits] 🌐		X
✘ LECON2704	Advanced Course in Economics IV		EN [q2] [15h] [5 Credits] 🌐		X
✘ LECON2705	Advanced Course in Economics V		EN [q2] [15h] [5 Credits] 🌐		X

● Seminar (5 credits)

1 among :

✘ LECON2163	Seminar : Econometrics		FR [q1+q2] [] [5 Credits] 🌐		X
✘ LECON2165	Seminar : Economic Theory		FR [q1+q2] [] [5 Credits] 🌐		X
✘ LECON2167	Séminaire économique de Louvain		FR [q1 or q2] [] [5 Credits] 🌐		X

● Quantitative Methods (10 credits)

● LECON2600	Dynamical Methods in Economics	Rigas Oikonomou	EN [q1] [30h] [5 Credits] 🌐		X
● LECON2500	Mathematics and Statistics for Economics	Rigas Oikonomou Sébastien Van Bellegem	EN [q1] [30h] [5 Credits] 🌐		X

● Econometrics (5 credits)

Un parmi

✘ LECON2601	Advanced Econometrics II - Time Series Econometrics		EN [q2] [30h] [5 Credits] 🌐		X
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Year

1 2

⌘ LECON2602

Advanced Econometrics II - Microeconometrics

William Parienté

EN [q2] [30h] [5 Credits] 

x

RESEARCH FOCUS [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Foundations in economics (25 credits)**

○ LECON2111	Advanced Microeconomics I: Individual Decision and General Equilibrium	Amma Panin	EN [q1] [30h+6h] [5 Credits] 🌐	X	
○ LECON2112	Advanced Microeconomics II: game theory and information economics	François Maniquet	EN [q2] [30h+6h] [5 Credits] 🌐	X	
○ LECON2121	Advanced Macroeconomics I : Intertemporal Behavior and Business Cycles	Luca Pensieroso	EN [q1] [30h+6h] [5 Credits] 🌐	X	
○ LECON2122	Advanced Macroeconomics II : Growth, Dynamics and Policy	Rigas Oikonomou	EN [q2] [30h+6h] [5 Credits] 🌐	X	
○ LECON2131	Advanced Econometrics	Sébastien Van Bellegem	EN [q2] [30h] [5 Credits] 🌐	X	

⊗ Research seminar I (5 credits)

1 among :

⊗ LECON2653	Research Seminar I : Microeconomics - UNamur <i>Course taught at UNamur / UNamur course code ECONM653/ Description : https://directory.unamur.be/teaching/courses/ECONM653</i>		EN [q2] [30h] [5 Credits] 🌐	X	
⊗ LECON2603	Research Seminar I: Econometrics Workshop		EN [q2] [30h] [5 Credits] 🌐	X	
⊗ LECON2161	Advanced macroeconomics III	David De la Croix	EN [q2] [30h] [5 Credits] 🌐	X	

OPTIONS [15.0]

The student chooses three courses (15 credits) among the list Advanced Economic I or among the list Advanced Economic II or among the two lists indifferently. In the first cases, the option will be specifically mentioned in the diploma supplement issued, with the three courses chosen; in the latter case, the three chosen courses will also be repeated, but without an option title.

- > [Advanced Economics I](#) [en-prog-2025-etri2m-letri220o]
 > [Advanced Economics II](#) [en-prog-2025-etri2m-letri210o]

ADVANCED ECONOMICS I

- Mandatory
- ⌘ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

The student chooses three courses (15 credits) among the list Advanced Economic I or among the list Advanced Economic II or among the two lists indifferently.

Year

1 2

Content:

⌘ LECON2603	Research Seminar I: Econometrics Workshop		EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2601	Advanced Econometrics II - Time Series Econometrics		EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2602	Advanced Econometrics II - Microeconometrics	William Parienté	EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2604	Advanced International Trade	Joseph Gomes Gonzague Vannoorenberghe	EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2605	Capital Markets Theory		EN [q2] [30h] [5 Credits] △ ⊙ 🌐		X	X
⌘ LECON2607	Public Economics	Jean Hindriks	EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2608	Advanced Labour Economics	Vincent Vandenberghe	EN [q1] [30h] [5 Credits] 🌐		X	X
⌘ LECON2610	Industrial Organization		EN [q1] [30h] [5 Credits] 🌐		X	X
⌘ LECON2655	Population and Family Economics	Fabio Mariani	EN [q2] [30h] [5 Credits] ⊕ 🌐		X	X
⌘ LECON2374	Firm-Level analysis of labour and related issues		EN [q2] [30h] [5 Credits] △ 🌐		X	X
⌘ LECON2065	History of Economic Thought	Luca Pensieroso	EN [q1] [30h] [5 Credits] 🌐		X	X
⌘ LECON2069	Ethics and Social Choice	François Maniquet	EN [q1] [30h] [5 Credits] ⊙ 🌐		X	X
⌘ LECON2067	Critical Analysis of Market Economies		EN [q1] [30h] [5 Credits] △ ⊕ 🌐		X	X
⌘ LECON2609	Game Theory	Vincent Vannetelbosch	EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2652	Advanced development Economics Course taught at UNamur / UNamur course code ECONM652/ Description : https://directory.unamur.be/teaching/courses/ECONM652		EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2654	Advanced Monetary Economics Course taught at UNamur / UNamur course code ECONM654/ Description : https://directory.unamur.be/teaching/courses/ECONM654		EN [q2] [30h] [5 Credits] 🌐		X	X
⌘ LECON2625	Fixed Income Securities - KU Leuven		FR [] [] [5 Credits] 🌐		X	X
⌘ LECON2621	Advanced Industrial Economics - KU Leuven		FR [] [] [5 Credits] 🌐		X	X
⌘ LECON2624	Current Development in European Integration - KU Leuven		FR [] [] [5 Credits] 🌐		X	X
⌘ LECON2620	Advanced Environmental and Transportation - KU Leuven		FR [] [] [5 Credits] 🌐		X	X
⌘ LECON2622	Advanced Intern Monetary Eco - KU Leuven		FR [] [] [5 Credits] 🌐		X	X

ADVANCED ECONOMICS II

- Mandatory
- ⌘ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

The student chooses three courses (15 credits) among the list Advanced Economic I or among the list Advanced Economic II or among the two lists indifferently.

Year

1 2

o Content:

⌘ Advanced Courses in Economics at UCLouvain

⌘ LECON2701	Advanced course in economics I		EN [q1] [15h] [5 Credits] 🌐	X	X
⌘ LECON2702	Advanced course in economics II	Amma Panin	EN [q1] [15h] [5 Credits] 🌐	X	X
⌘ LECON2703	Advanced course in economics III	Francesca Monti	EN [q1] [15h] [5 Credits] 🌐	X	X
⌘ LECON2704	Advanced Course in Economics IV		EN [q2] [15h] [5 Credits] 🌐	X	X
⌘ LECON2705	Advanced Course in Economics V		EN [q2] [15h] [5 Credits] 🌐	X	X

⌘ Advanced Courses in Economics at UNamur

⌘ Advanced Courses in Economics at KU Leuven

⌘ Advanced Courses in Economics at USL-B (Bruxelles)

⌘ Advanced Courses in Economics at other Universities

Alternatives

Erasmus Mundus Joint Master Degree QEM (EMJMD): Models and Methods of Quantitative Economics

The **QEM Models and Methods of Quantitative Economics** is a Master's programme

- with a duration of **two academic years** (120 ECTS credits).
- It is expected that the student carries out their entire course work **attending at least two universities of the QEM Consortium**: Université catholique de Louvain - Université Paris 1 Panthéon-Sorbonne - Universitat Autònoma de Barcelona - Università Ca'Foscari Venezia - SGH Warsaw School of Economics

Note: The mobility track and a joint curriculum are defined and fixed for each accepted candidate during the admission process.

Program structure

The QEM Master is divided into **four semesters of study**, with a mandatory mobility of at least one semester.

The **first year**

- focuses on core courses including Microeconomics, Macroeconomics, Econometrics and Mathematics (Probability, Statistics and Optimization).
- all students enrolled to the QEM program spend the first semester in the same university, with a turnover among institutions to manage this first semester.
For the academic year 2020-2021, the Fall Semester was organized in [Paris, France](#)
- The second semester(30 credits) is spent in any partner university (mobility track): [Barcelona](#) - [Paris](#) - [UCLouvain](#) - [Venice](#) - [Warsaw](#).

The **second year**

- focuses on specialization and is spent in one of the five consortium universities: [Barcelona](#) - [Paris](#) - [UCLouvain](#) - [Venice](#) - [Warsaw](#).
- There are several areas of specialization on offer, such as:
 - Microeconomics
 - Macroeconomics
 - International Economics
 - Finance
 - Econometrics
 - Mathematical Economics
 - Game Theory
 - Behavioral Economics
 - Experimental Economics
 - Public Economics
 - Political Economy
 - Insurance
 - Finance

Application

Applications have to be submitted via the QEM Consortium ONLY. Please consult the direct link for further information :

<https://master-economics-qem.eu/application-practical>

Even if the application is done via the QEM platform, please keep UCLouvain informed of your application submission. (Send an email to Mrs. Catherine Maréchal catherine.marechal@uclouvain.be)

> [Master \[120\] in Economics: Econometrics \[Erasmus Mundus Joint Master Degree QEM\]](#) [<https://uclouvain.be/en-prog-2025-etri2m-programme>]

MASTER [120] IN ECONOMICS: ECONOMETRICS [ERASMUS MUNDUS JOINT MASTER DEGREE QEM]

- Mandatory
- ⌘ Optional
- △ Not offered in 2025-2026
- ⊖ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Liste au choix de finalités ETRI2M

o Research Focus (30 credits)

o Content:

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

- Mandatory
- ⌘ Optional
- △ Not offered in 2025-2026
- ⊖ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Pay attention those courses are ONLY taught in French.

⌘ Cours de base

⌘ En économie

en fonction des connaissances de départ, au moins un cours parmi :

⌘ LECGE1212	Macroeconomics [M]	Fabio Mariani Francesca Monti	(FR) [q1 or q2] [45h+15h] [5 Credits] 🌐
⌘ LECGE1222	Microeconomics [M]	Johannes Johnen François Maniquet	(FR) [q1 or q2] [45h+15h] [5 Credits] 🌐
⌘ LECGE1115	Political Economics [S]	Rigas Oikonomou Gonzague Vannoorenberghe	(FR) [q1] [45h+15h] [5 Credits] 🌐

⌘ En statistiques

en fonction des connaissances de départ tout ou partie de :

⌘ LECGE1224	Economics and Management Statistics [M]		(FR) [q2] [30h+15h] [5 Credits] 🌐
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❗ LECGE1316	Econometrics [M]	Muriel Dejemepe	FR [q2] [30h+15h] [5 Credits] 🌐
❗ LECGE1335	Data Analysis and Modelling		FR [q2] [30h+15h] [5 Credits] 🌐
❗ LCOPS1114	Statistics and Bases of Probability Theory [S]		FR [q1] [30h+30h] [5 Credits] 🌐

❗ En méthodes mathématiques

en fonction des connaissances de départ tout ou partie de :

❗ LECGE1112	Mathematics in economy and management		FR [q1] [45h+30h] [6 Credits] 🌐
❗ LECGE1230	Mathematics in Economics and Management II		FR [q1] [45h+30h] [6 Credits] 🌐
❗ LECGE1333	Game theory and information in economics		EN [q2] [30h+10h] [5 Credits] ⚠️ 🌐

❗ Cours spécifiques

en fonction des connaissances de départ, un, deux ou trois cours parmi :

❗ LECGE1121	Economic and Social History [S]	Emmanuel Debruyne	FR [q1] [30h] [4 Credits] 🌐
❗ LECGE1216	Growth and Development	David De la Croix	FR [q1] [30h] [5 Credits] 🌐
❗ LECGE1217	History of Economic Theories [M]	Luca Pensieroso	EN [q2] [22.5h] [5 Credits] 🌐
❗ LECGE1228	Regional Economics	Joseph Gomes	EN [q2] [30h+10h] [5 Credits] 🌐
❗ LECGE1312	Public Economics	Jean Hindriks	FR [q2] [30h+15h] [5 Credits] 🌐
❗ LECGE1330	Industrial organization [M]	Paul Belleflamme	EN [q1] [30h+15h] [5 Credits] 🌐
❗ LECGE1331	European Economy	Joseph Gomes	EN [q2] [30h+15h] [5 Credits] ⚠️ 🌐

❗ Séminaire

en fonction des connaissances de départ, un parmi :

❗ LECGE1226	Séminaire : Problématiques du marché du travail	Muriel Dejemepe	FR [q2] [30h+10h] [5 Credits] 🌐
❗ LECGE1227	Séminaire : Enjeux macroéconomiques européens	Vincent Bodart	FR [q2] [30h+10h] [5 Credits] 🌐
❗ LECGE1323	Seminar-Workshop: Economics and Climate	Anaïs Perilleux	FR [q2] [30h+10h] [5 Credits] 🌐
❗ LECGE1334	Seminar : International Trade and environment	Gonzague Vannoorenberghe	EN [q2] [30h+10h] [5 Credits] 🌐

Course prerequisites

There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

ETRI2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific access requirements

The current admission requirements are those described in the French version: https://uclouvain.be/prog-etri2m-cond_adm

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
		Direct access	
#		Access based on application	
Others Bachelors of the French speaking Community of Belgium			
		Access based on application	
Bachelors of the Dutch speaking Community of Belgium			
		Direct access	
"		Access based on application	
Foreign Bachelors			
		Access based on application	

Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Access based on application	
Masters			
		Access based on application	

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

Entry to all Masters (with the exception of Advanced Masters) can be gained through the special procedure for accrediting prior learning and experience known as VAE (validation des acquis de l'expérience).

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

Admission and Enrolment Procedures for general registration

Teaching method

The programme is mainly designed as a training course for research into economics. The teaching methods vary according to objectives. The ex cathedra courses enable students to acquire basic tools for research into economics. Depending on the subject, there may also be additional practical work or reading tasks using relevant academic articles. Students learn how to communicate the results of their research orally through the dissertation seminars. The dissertation helps students to write academic articles. Finally, through Research seminars I and II, students learn how to understand and synthesize presentations which cover new research ground.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Depending on the activity, different forms of assessment are used. The assessment of work for courses will usually take the form of an examination (written or oral) and/or a piece of individual work. The assessment of participation in seminars will be on the production and oral presentation of an individual piece of work or one done by a group. Final dissertations are assessed by a board of examiners, on the basis of a written document and its oral presentation, both at the intermediary and final stages.

To obtain a student's average, the grades awarded for each course unit are weighted by their respective credits.

Mobility and/or Internationalisation outlook

This programme, entirely in English and designed as training for research, is aimed at an international audience. Louvain has a long tradition and an outstanding reputation in this field. The majority of the students doing a doctorate are non-Belgian.

Cooperation with KU Leuven makes the programme more attractive since advanced level subjects (all in English) are available in a wide variety of key fields in economics.

Possible trainings at the end of the programme

- Advanced Masters : Master in International Economics and Development (University Development Commission - Commission universitaire au développement – CUD)
- Doctoral programme training : doctorate in Economic Sciences

Certificates

Students who decide only to take a part of the proposed programme may either move to the 60 credit general Master programme or, alternatively, receive a diploma.

Contacts

Curriculum Management

Entity	
Structure entity	SSH/ESPO/ECON
Denomination	(ECON)
Faculty	Faculty of Economic, Social and Political Sciences and Communication (ESPO)
Sector	Human Sciences (SSH)
Acronym	ECON
Postal address	Place Montesquieu 3 - bte L2.06.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 39 53 - Fax: +32 (0) 10 47 32 90
Website	http://www.uclouvain.be/econ.html

Academic supervisor: [François Maniquet](#)

Jury

- Président du Jury: [William Parienté](#)
- Secrétaire du Jury: [François Maniquet](#)

Useful Contact(s)

- Responsable administrative: [Géraldine Carette](#)

