

[II.] FIRST YEAR AT UCLouvain-UNamur

**Master en sciences économiques, orientation générale, à
finalité approfondie (ECON2MA)**

SECOND YEAR AT SGH

Master in Economics

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Course	ECTS
LECON 2111 Advanced Microeconomics I: Individual Decision and General Equilibrium	5
LECON 2121 Advanced Macroeconomics I : Intertemporal Behavior and Business Cycles	5
LECON 2112 Advanced Microeconomics II: Game theory and Information Economics	5
LECON 2122 Advanced Macroeconomics II : Growth, Dynamics and Policy	5
1 research seminar among the following	
- ECONM 653 Research Seminar I : Microeconomics	5
- LECON 2161 Advanced macroeconomics III	
- LECON 2603 Econometrics Workshop	
- LECON2131 Advanced Econometrics	5
- LECON2065 History of Economic Thought	5
3 advanced elective courses among	
- LECON 2608 Advanced Labour Economics	
- LECON 2610 Industrial Organisation	
- LECON 2069 Ethics and Social Choice (biannual course - taught in 2024-2025)	
- LECON2600 Dynamic Methods in Economics	
- LECON 2604 Advanced International Trade	
- LECON 2601 Advanced Econometrics II - Time Series Econometrics	
- LECON 2602 Advanced Econometrics II - Microeconometrics	
- LECON 2605 Capital Markets Theory (not taught in 2024-2025)	
- LECON 2655 Population and Family economics	
- LECON 2609 Game Theory	
- LECON 2607 Public Economics	
- ECONM654 Advanced Monetary Economics	
- ECONM652 Advanced Development Economics	
+ Courses from Advanced Master in Economics-KUL	
Other Electives	10
Total	60

SECOND YEAR AT SGH

Economics

Graded, obligatory courses without ECTS credits:

- (249980-D) Library Training (e-learning),
 (249960-D) Training on Fundamentals of Intellectual Property Protection (e-learning),
 (249990-D) Training on Occupational Health and Safety (e-learning).

Basic courses SMM2

Course code	Course title	Hours	ECTS
210111	Business Law	30	4,5

Major courses SMM2

Course code	Course title	Hours	ECTS
221911	Advanced Applied Econometrics	60	7,0
221921	Advanced Macroeconomics (QEM)	60	7,0
221951	Advanced Macroeconomics II (QEM)	60	7,0
221931	Advanced Microeconomics (QEM)	60	7,0
221961	Advanced Microeconomics II (QEM)	60	7,0
	ATTENDED AT UCLouvain - UNamur		

221941	Advanced Optimization	60	7,0
221981	Advanced Probabilistic and Statistical Methods	60	7,0
221971	Game Theory II*	45	5,0
	* if the student did the analogous elective course in LLN. 5 ECTS equivalent from SGH electives should be chosen.		

Electives at least 16.5 ECTS

Electives	Advanced Behavioral Economics	4,5	At least 16.5 ECTS
	Advanced R programming	3	
	Advanced simulation models	3	
	Advanced labour economics	3	
	Artificial intelligence	3	
	Basic C++	3	
	Basic R programing	1,5	
	Bayesian Econometrics	3	
	Big data	3	
	Cloud computing	3	
	Data mining	3	
	Database Application Building, PL/SQL language	3	
	Derivatives Market	3	
	Development Economics	3	
	Econometrics of Panel Data	3	
	Financial Econometrics I (FAP, CIMA)	3	
	Financial Econometrics II	6	
	Financial Risk Management and Derivatives	4,5	
	General Equilibrium Models	3	
	Growth Theory	3	
	Industrial Economics	3,5	
	Labour Economics	4,5	
	Macroeconomic Modeling	3	
	Macroeconomics and household heterogeneity (QEM)	3	
	Microeconometrics	3	
	Monetary Economics	3	
	Numerical Methods	3	
	Public Sector Economics	4,5	
	Querriyng, Data Presentation, Data Visualisation and Reporting	3	
	Real-Time Analytics	3	
	Spatial Econometrics	3	
	Statistical Learning Methods	6	
	Theory of Decision I	3	
	Time Series Econometrics	6	

*Not all the courses have to be opened during a particular academic year.

	Hours	ECTS
Master Seminar 1st semester	30	8
Master Seminar 2nd semester, including Master Thesis	30	12
Total		60