

# 1 LIST OF COURSES PHD IN ECONOMICS<sup>1</sup> (DOCTORAAT IN DE ECONOMISCHE WETENSCHAPPEN)

APPROVED BY THE FACULTY COUNCIL (16 DECEMBER 2020)

## 1.1 Principles

Below you find the list of courses that are acknowledged by the Doctoral School for a PhD in Economics (doctoraat in de economische wetenschappen). Students need to take a total of 5 courses, taking the following into account:

- a) **Take 2 courses out of the 3 compulsory branches:** advanced microeconomics, advanced macroeconomics, advanced econometrics. You can take these courses at our own faculty or equivalent – as indicated by the corresponding colours - at other universities.
- b) **Take any 2 courses from the list** (with the exception of two equivalent courses; for instance the student cannot take an advanced microeconomics course at UCL when the student already followed the equivalent course at Ghent University).
- c) **Take 1 course that the student can choose freely** (this can also be a course from the list, but could for instance also be a course taught abroad or a summer school).

**Students who already obtained a two-year master in Economics** (e.g. Research Master at Université catholique de Louvain) or a **“master after master” (MaNaMa) in Economics** (e.g. Master of Science in advanced studies in Economics at KU Leuven) get an exemption for two courses. They are only required to do parts b) and c).

Students who already obtained an **equivalent two-year master or MaNaMa** (as for example the Master in Banking and Finance at UGent), also get an exemption for two out of five courses. But in the end they also have to meet a).

Students who obtained (only) a **one year master in economics, but who succeeded in “advanced microeconomics”, “advanced macroeconomics” and “advanced econometrics”**, get an exemption for one course. They still have to take 4 courses. For them part c) contains 2 courses.

In accordance with Article 3 §3 of the FEB Doctoral Regulations, advice on courses that are not on the list is given by the Scientific Research Committee of the faculty.

<sup>1</sup> The specific examination code to obtain the academic doctoral degree at Ghent University was taken into account in this decision.

## 1.2 List

### 1.2.1 Ghent University, Master of Science in Economics, Major Research

	Code	Staff	ECTS
Advanced Econometrics: Non-linear Methods	F000687	G. Everaert – B. Cockx	6
Advanced Macroeconomics: Equilibrium and Dynamics	F000686	F. Heylen – T. Buyse	6
Advanced Microeconomics: Game Theory and Asymmetric Information	F000118	D. Van de gaer	6

### 1.2.2 Ghent University: Master of Science in Banking and Finance

	Code	Staff	ECTS
Advanced Investment Analysis	F000734	M. Frömmel	6
Management of Financial Institutions	F000722	R. Vander Venet	6
Financial Econometrics	F000723	G. Everaert	4
Financial Risk Management	F000735	F. De Jonghe	6
Advanced Asset Allocation	F000789	K. Inghelbrecht	4

### 1.2.3 Ghent University: Specialist courses (co-)organized by the Doctoral School of Social and Behavioural Sciences – directly relevant to research in economics

<http://www.ugent.be/doctorschools/en/doctoraltraining/courses/specialistcourses/sbs>

	Code	Staff	ECTS
Causal Inference in Microeconometrics with Application to Program Evaluation	X000173	B. Cockx	8

### 1.2.4 UCLouvain Research Master in Economics / Research Master in Econometrics

All courses explicitly labelled as “**advanced**” in the ECON2MA or the ETRI2MA program at UCLouvain and listed on <https://uclouvain.be/en/faculties/espo/esl/research-master-in-economics-120.html> or <https://uclouvain.be/en/faculties/espo/esl/program-etri.html>. Among these the following courses are recognized compulsory courses:

	Code	Staff	ECTS
Advanced Microeconomics I: Decision and Game Theory	LECON2111	F. Maniquet	5
Advanced Microeconomics II: General Equilibrium and Mechanism Design	LECON2112	F. Maniquet	5
Advanced Macroeconomics I: Intertemporal Behavior and Business Cycles	LECON2121	L. Pensieroso	5
Advanced Macroeconomics II: Growth, Dynamics and Policy	LECON2122	R. Oikonomou	5
Advanced Econometrics II – Time Series Econometrics	LECON2601	S. Van Bellegem	5
Advanced Econometrics II - Microeconometrics	LECON2602	W. Parienté	5

### 1.2.5 PhD courses UCLouvain (Economics School of Louvain)

All **doctoral** courses of the Economics School of Louvain and listed on <https://uclouvain.be/en/faculties/espo/esl/doctoral-courses.html>

### 1.2.6 Research Master ULB (ECARES Doctoral School)

All courses in the “Master en sciences économiques, orientation économétrie – finalité Research in Economics” (M-ECOER) and listed on <https://ecares.ulb.be/phd/courses/>

Among these the following courses are recognized compulsory courses:

	<b>Code</b>	<b>Staff</b>	<b>ECTS</b>
Graduate Microeconomics I	ECON-S510	G. Kirchsteiger	10
Graduate Microeconomics II	ECON-S431	P. Legros	5
Graduate Macroeconomics I	ECON-S427	P. Weil	10
Graduate Macroeconomics II	ECON-S430	R. Kollmann	5
Graduate Econometrics I	ECON-S428	D. Preinerstorfer	10

### 1.2.7 Master of Science in Advanced Studies in Economics, KU Leuven

All courses of the master of Science in Advanced Studies in Economics at the KU Leuven listed on:

[https://onderwijsaanbod.kuleuven.be//opleidingen/e/SC\\_51016797.htm#bl=01,02](https://onderwijsaanbod.kuleuven.be//opleidingen/e/SC_51016797.htm#bl=01,02)

Among these the following courses are recognized compulsory courses:

	<b>Code</b>	<b>Staff</b>	<b>ECTS</b>
Advanced Microeconomics II	DOM13A	L. Lauwers	6
Advanced Macroeconomics II	DOM14A	M. Kobielarz	6
Advanced Econometrics	DOM61B	G. Dhaene	6

## 2 LIST OF COURSES PHD IN BUSINESS ECONOMICS (DOCTORAAT IN DE TOEGEPASTE ECONOMISCHE WETENSCHAPPEN)

There is no generic list of specialist courses, but a generic principle. Courses can be acknowledged as a specialist course for the doctoral training programme in business economics if:

- The course is specifically intended for doctoral students, e. g. a specialist course organized by the doctoral school, a winter/summer school, the CIM/ICM exam, an EDEN doctoral seminar.
- The course is part of a 'Master-after-Master' programme.
- The course is programmed in the second Master year of a two-year Master-after-Bachelor programme.

For the recognition of other courses, an application must be submitted to the faculty's Scientific Research Committee.

Some examples of eligible courses are:

### ACCOUNTING AND CORPORATE FINANCE

Topics in Corporate Finance (UGent Doctoral Schools, Luc Renneboog, Klaas Mulier, Tom Vanacker)

<http://www.corpfin.ugent.be/teaching/topicsincorporatefinance/>)

Financial Econometrics (Master of Banking and Finance, UGent, Gerdie Everaert)

Analysis of Variance (IPVW, Els Adriaens)

Applied Linear Regression (IPVW, Dries Reynders)

Multilevel Analysis for Grouped and Longitudinal Data (IPVW, Leoniek Wijngaards -de Meij)

Structural Equation Modelling I (IPVW, Yves Rosseel)

Structural Equation Modelling II (IPVW, Yves Rosseel)

R Intermediate Course (IPVW, Joris Meys)

Multivariate Statistics (IPVW, Olivier Thas)

Causal Inference (IPVW, Stijn Vansteelandt)

IPVW: <https://www.ugent.be/we/en/services/ICES/courses/dataanalysis2017-2018>

CEMFI Summer school Panel Data

CIM/ICM Exams

EDEN Doctoral Seminar Corporate Finance

EDEN Doctoral Seminar Corporate Finance II

EDEN Doctoral Seminar on Analytical Accounting Research

EDEN Doctoral Seminar on Case-based Research in Management Accounting

EDEN Doctoral Seminar on Empirical Financial Accounting Research

EDEN Doctoral Seminar on Methods, Techniques and Theories in Entrepreneurship and Innovation

EDEN Doctoral Seminar on Producing and Evaluating Knowledge in Management Accounting

EDEN Doctoral Seminar on Quantitative Empirical Research on Management Accounting

### MARKETING

Advanced Methods of Marketing Research I (Master of Science in Marketing Analysis, UGent, Patrick Van Kenhove)

Advanced Methods of Marketing Research II (Master of Science in Marketing Analysis, UGent, Patrick Van Kenhove & Mario Pandelaere)

EDEN Doctoral Seminar in Consumer Behaviour  
EDEN Doctoral Seminar on Managerial Issues in Marketing  
EDEN Doctoral Seminar on Research Methods in Marketing  
Log Linear & Latent Class Analysis & Logistic Regression (Master of Quantitative Analysis in the Social Sciences, KU Leuven)  
Multilevel Analysis (Master of Quantitative Analysis in the Social Sciences, KU Leuven)  
Structural Equation Models (Master of Quantitative Analysis in the Social Sciences, KU Leuven)  
Unidimensional and Multidimensional Scaling (Master of Quantitative Analysis in the Social Sciences, KU Leuven)

#### BUSINESS INFORMATICS AND OPERATIONS MANAGEMENT

Advanced Regression Modelling (2nd year Master of Business Engineering, KU Leuven, Gerda Claeskens & Steffen Kühnel)  
Advanced Time Series Analysis (2nd year Master of Business Engineering, KU Leuven, Christophe Croux)  
Applied Optimisation (2nd year Master of Business Engineering, KU Leuven, Roel Leus & Frits Spijksma)  
Combinatorial Optimization and Local Search Techniques (2nd year Master of Business Engineering, KU Leuven, Erik Demeulemeester)  
Optimization: special topics (2nd year Master of Business Engineering, KU Leuven, Frits Spijksma)

#### MANAGEMENT, INNOVATION AND ENTREPRENEURSHIP

Analysis of Variance (IPVW, Els Adriaens)  
Applied Linear Regression (IPVW, Dries Reynders)  
Multilevel Analysis for Grouped and Longitudinal Data (IPVW, Leoniek Wijngaards-de Meij)  
Structural Equation Modelling I (IPVW, Yves Rosseel)  
Structural Equation Modelling II (IPVW, Yves Rosseel)  
R Intermediate Course (IPVW, Joris Meys)  
Multivariate Statistics (IPVW, Olivier Thas)  
Causal Inference (IPVW, Stijn Vansteelandt)  
IPVW: <https://www.ugent.be/we/en/services/ICES/courses/dataanalysis2017-2018>  
EDEN Doctoral Seminar on Methods, Techniques and Theories in Entrepreneurship and Innovation  
EDEN Doctoral Seminar on Statistical Methods for Management Research  
European Entrepreneurship Colloquium  
Written exam CIM/ICM

#### Other examples of recently acknowledged courses:

Survey methodology (KU Leuven)  
Ghent bio-economy summer school (Mirjam Knockaert et al., <http://www.qbesummerschool.be>)  
CEMFI summer school Market Microstructure  
CEMFI Panel data econometrics  
IAOA Summer school on ontological analysis  
Eden doctoral seminar on Corporate Finance Theory and Evidence  
Eden doctoral seminar on Corporate Governance  
Combinatorial Optimization and Local Search Techniques (Master of Science in Advanced Business Studies, KU Leuven).  
UCL, LSTAT2360, Data Management I, programmation de base en SAS (1st and 2nd year Master Statistics)  
UA, Nieuwe Systeemontwikkelingsmethoden, 1st and 2nd year Master Business Engineering in Management and Information Systems.