

COURSE DESCRIPTIONS

HOW DO I LOOK UP THE DESCRIPTIONS OF THE COURSES I INTEND TO TAKE ?

There are two simple ways to look up the course descriptions for each of the courses via the Faculty's website. Both start from the English language homepage of the Faculty of Business and Economics on www.econ.kuleuven.be/eng.

- Click on 'exchange student'
- Select 'search for course descriptions'
- Type in the name or the code of the course
- Click on the result (a weblink to the course you need details on)

Or you can try to type in the code of the course in the search engine in the top right of the homepage, which should provide you with the same result (a weblink to the course you need details on).

PLEASE NOTE :

- Some course descriptions will only be available from **mid July 2011** onwards.
- Each professor has the authority to update his/her course description just till the start of the academic year.

The screenshot shows the homepage of the Faculty of Business and Economics at Katholieke Universiteit Leuven. The top navigation bar includes the university logo and a search bar (circled in red). Below the navigation bar, the main content area is divided into several sections: 'About us', 'Education', 'News', and 'Research'. The 'Education' section contains links for 'Student-Student Portal', 'Prospective student', and 'Exchange student' (both circled in red). The 'News' section lists recent updates, and the 'Research' section provides links to departments, research centres, publications, and the doctoral programme. A sidebar on the right contains a 'Theme' section with links to 'KULoket', 'Toledo', and 'FBE Webmail'.

KATHOLIEKE UNIVERSITEIT
LEUVEN

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Exchange students

- [Information](#) for students who would like to come to Leuven in the frame of an ERASMUS agreement between K.U.Leuven and their home university.
- [ECTS-courses - Search for course descriptions](#) (use Course number or Title course of the ECTS-courses document)

1. [General structure of the Faculty](#)
2. [General description](#)
3. [Exam Schedule and Exam System](#)
4. [The Leuven grading scale and system](#)

1. General structure of the Faculty

The Faculty of Business and Economics is one of the largest faculties in terms of student population. The faculty offers education leading to the degrees of:

- Bachelor/Master in de Economische Wetenschappen (3 + 1 year);
- Bachelor/Master of Economics Bachelor/Master in de Toegepaste Economische Wetenschappen (3 + 1 year);
- Bachelor/Master of Business Economics Bachelor/Master in de Toegepaste Economische Wetenschappen: Handelsingenieur (3 + 2 years);
- Bachelor/Master of Business Economics: Business Engineering Bachelor/Master in de Toegepaste Economische Wetenschappen: Handelsingenieur in de Beleidsinformatica (3 + 2 years);
- Bachelor/Master of Business Economics: Information Systems Engineering.

Furthermore the faculty runs two doctoral programs: Economics and Applied Economics. The Leuven School of Business and Economics of the faculty offers a variety of Master's programmes:

- Master of Advanced Studies in Economics
- Master of Financial Economics
- Master of Advanced Business Studies
- Master of Financial and Actuarial Engineering (in cooperation with the Faculty of Science).
- Master of Information Management

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Search Programmes of Study 2010-2011

Use this search to find documents in the study information 2010-2011 containing certain words.
U kunt alles doorzoeken, of uw zoekopdracht beperken tot de syllabi enerzijds of tot de beschrijving van het onderwijsaanbod anderzijds.

Search
Programmes
of study

Keyword(s): [Search!](#)

Search in all pages course descriptions programmes



COURSES FOR BACHELOR STUDENTS

Students can select courses from:

1. the Faculty of Business and Economics (Bachelor courses)
2. the PECS Program = Study Abroad Programme in European Culture and Society
3. All other Bachelor courses taught in Dutch (cfr. p.14)

IMPORTANT REMARK : Bachelor students **ARE NOT ADMITTED** to courses offered to **Master** students. In order to be admitted to the Master Programmes students need at least 180 ECTS credits.

- Please make sure you meet the necessary prerequisites !
- Proficiency in English is required. Be aware that your level of English must be **ADVANCED**. You must be able to understand, speak, read and write both general and academic English **FLUENTLY** ! (any kind of proof is welcome !).

FACULTY OF BUSINESS AND ECONOMICS

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0E32A	Development Economics	39	6
D0H27A	Business Information Systems	52	6
D0I62A	Principles of Database Management	45	6
D0R17A	Supply Chain Management	39	6
D0T27A	Capital Investment Policy	39	6
D0T30A	Marketing Management	39	6
D0T31A	Theory of Industrial Organization	39	6
D0T33A	Organisation Psychology	39	6
D0T37A	English III: Interaction in the Business World <i>(restricted admission and pretesting applies to this course)</i>	26	3
I0D33A	Basics of Biological Chemistry	26	4
I0R69A	Social and Economical Aspects of Biotechnology	39	5
W0EN7A	Philosophy of Technology	26	4
W0EP8A	Political Philosophy and the Ethics of Globalisation	26	6

Second Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0E35A	Labour Economics	39	6
D0H34A	Design of Marketing Research	39	6
D0T32A	Applied Industrial Organisation	39	6
D0T78A	English III: Interaction in the Business World <i>(restricted admission and pretesting applies to this course)</i>	26	3
D0T96A	Managerial Economics	39	6
S0B91A	Development Cooperation	26	4

PECS PROGRAMME

The Study Abroad Programme in European Culture and Society offers a wide range of courses dealing with Europe.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
FOGA2A	Institutions and Policy of the European Union	39	6
FOVK2A	The Low Countries at the Crossroads of European History	26	6
FOVL6A	International Relations and European Integration Since World War II	26	6
FOVL7A	Literature, Religion and Art in Europe: An Interdisciplinary Approach	39	6

Second Semester

FOGA0A	Comparative European Literature	39	6
FOGA1A	Flemish Art and European Culture	39	6
FOGA3A	International Relations and European Integration Since World War II	26	6
FOGA4A	The Low Countries at the Crossroads of European History	26	6
FOVK6A	Historic Developments and Current Issues in European Institutions and Policies	39	6

COURSES FOR MASTER STUDENTS

Students can select courses from:

1. Master's Programmes
 - Master of Economics
 - Master of Business Economics
 - Master of Information Management
2. Advanced Master's Programmes
 - Master of Financial Economics
 - Master of Financial and Actuarial Engineering
 - Master of Advanced Studies in Economics
 - Master of Advanced Business Studies
3. Other Master courses
4. All other Master courses taught in Dutch (cfr. p.14)

These programmes offer a broad spectrum of Master's/Advanced Master's courses for students with a Bachelor/Master degree who want to include highly specialised courses in Economics and Business Economics in their study programme.

IMPORTANT REMARK :

- Please make sure you meet the necessary prerequisites !
- Proficiency in English is required. Be aware that your level of English must be **ADVANCED**. You must be able to understand, speak, read and write both general and academic English **FLUENTLY** ! (any kind of proof is welcome !).

FACULTY OF BUSINESS AND ECONOMICS

MASTER'S PROGRAMMES

MASTER OF ECONOMICS

Admission requirements: Students should hold a university Bachelor's degree in Economics or Business Economics considered equivalent to a Bachelor's degree in Economics; Applied Economics or Business Engineering from the Faculty of Business and Economics at K.U.Leuven.
A minimum of 180 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0C07A	Macroeconomics	39	6
D0C08A	Microeconomics	52	6
D0C09A	Econometric Methods and Models	45	6
D0C12A	Advanced Public Economics	39	6
D0C16B	Dynamic Methods (= Research Track)	26	3
D0M09A	Economic Aspects of European Integration	39	6
D0M29B	The Economics of Financial Intermediation	26	6
D0M36B	Environmental and Transportation Economics	26	6
D0M61B	Advanced Econometrics (= Research Track)	39	6
D0M63B	Advanced Time Series Analysis (= Research Track)	39	6
D0M75B	Asset Prices: Basic Models and Tests	39	6
D0R05A	Strategic Financial Management	39	6
D0R23A	Political Business Strategy	39	6
D0R87A	Financial Statement Analysis	39	6

Second Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0C15A	Macro-Finance	39	6
D0C31A	The Economics of China	28	6
D0C38A	Advanced Labour Economics	39	6
D0M13A	Advanced Microeconomics (= Research Track)	52	6
D0M14A	Advanced Macroeconomics (= Research Track)	39	6
D0M32B	Security Pricing and Portfolio Selection	39	6
D0M43B	Advanced Development Economics	39	6
D0R43A	Competitive Analysis and Strategy	39	6
D0M47B	Advanced Industrial Economics	26	6
D0S91A	Advanced Applied Econometrics (= Research Track)	39	6

MASTER OF BUSINESS ECONOMICS

Admission requirements: Students should hold a university Bachelor's degree in Economics or Business Economics considered equivalent to a Bachelor's degree in Economics; Applied Economics or Business Engineering from the Faculty of Business and Economics at K.U.Leuven.
A minimum of 180 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0C09A	Econometric Methods and Models	45	6
D0H36A	Innovation Management and Strategy	39	6
D0M09A	Economic Aspects of European Integration	39	6
D0M19B	International Business Strategy	39	6
D0M28B	International Business Finance	39	6
D0M29B	The Economics of Financial Intermediation	26	6
D0M36B	Environmental and Transportation Economics	26	6
D0M57B	Managerial Aspects of European Integration	39	6
D0M59B	Applied Game Theory and Economics of Information (= Research Track)	27	6
D0M61B	Advanced Econometrics (= Research Track)	39	6
D0M62C	Multivariate Statistics (= Research Track)	39	6
D0M75B	Asset Prices: Basic Models and Tests	39	6
D0O37A	Entrepreneurship (Semester 1+2 - only for students staying for the whole academic year)	36	6
D0R05A	Strategic Financial Management	39	6
D0R23A	Political Business Strategy	39	6
D0R36A	International Marketing	39	6
D0R87A	Financial Statement Analysis	39	6

Second Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0C15A	Macro-Finance	39	6
D0M23B	International Management	39	6
D0M24B	Cultural Issues in International Business	39	6
D0M32B	Security Pricing and Portfolio Selection	39	6
D0M90B	Optimization: Special Topics (= Research Track)	39	6
D0O35A	Currency Derivatives Markets	15	3
D0O36A	International Bond and Stock Markets	18	3
D0R04A	Strategic Management	39	6
D0R22A	International Business Economics	39	6
D0R43A	Competitive Analysis and Strategy	39	6
D9X12A	Advanced Regression Modelling (= Research Track)	82	6
H00N6A	Total Quality Management	19	3

MASTER OF INFORMATION MANAGEMENT

Admission requirements: This Master programme is open to all students with a Bachelor or Master degree awarded by a university and providing a basic background in Information Technology (e.g. office applications, basics of database management, basics of computer hardware, basic knowledge of modeling, etc.) and a sound mathematical and statistical background.

A minimum of 180 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0H27A	Business Information Systems	52	6
D0I62A	Principles of Database Management	45	6
D0I71A	Architecture and Modelling of Management Information Systems	52	6
D0R19A	Simulation Theory and Applications	39	6
FOU01A	Online Publishing	39	6
G0A21A	Statistical Software	13	3
H02C1A	Machine Learning and Inductive Inference	34	4
I0D41A	Basic Programming	40	4
S0C76A	Human-Computer Interaction	52	6

Second Semester

D0I69A	ICT Service Management	39	6
D0I74A	Knowledge Management and Business Intelligence	52	6
D0M23B	International Management	39	6
D0R78A	Introduction to Management and Strategy	39	4
D0T96A	Managerial Economics	39	6
H02C5A	Object Oriented Programming	29	4
H02C6A	Data Mining (only open to students who followed H02C1A in semester 1)	36	4
H02C8A	Text Based Information Retrieval	39	4
S0C78A	Usability Design	39	5

ADVANCED MASTER'S PROGRAMMES

MASTER OF FINANCIAL ECONOMICS

Admission requirements: This advanced Master's programme is open to all students with a university Master's degree **equivalent to four or five years** in Economics or Business Economics, comparable to a Master's degree in Economics; Applied Economics or Business Engineering from the Faculty of Business and Economics at K.U.Leuven. A minimum of 240 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
DOM28B	International Business Finance	39	6
DOM29B	The Economics of Financial Intermediation	26	6
DOM31B	Options and Futures	39	6
DOM37B	Advanced Corporate Finance	39	6
DOM62C	Multivariate Statistics	39	6
DOM75B	Asset Prices: Basic Models and Tests	39	6
DON21A	Applied Game Theory	15	3
DON22A	Economics of Information	12	3
DOR87A	Financial Statement Analysis	39	6

Second Semester

DOM14A	Advanced Macroeconomics	39	6
DOM30B	Fixed Income Securities	39	6
DOM32B	Security Pricing and Portfolio Selection	39	6
DOM38B	Advanced International Monetary Economics	26	6
DOM40B	The Empirics of Financial Markets	39	6
DON23A	Statistical Modelling	26	3
DOO35A	Currency Derivatives Markets	15	3
DOO36A	International Bond and Stock Markets	18	3
DOR09A	Risk Management in Financial Institutions	39	6

MASTER OF FINANCIAL AND ACTUARIAL ENGINEERING

Admission requirements: This advanced programme is open to students with a Master's degree **equivalent to four or five years** in Insurance, Statistics, Mathematics, Physics, Economics, Business Economics or Business Engineering. At minimum of 240 ECTS credits is required.

Candidates are supposed to be thoroughly acquainted with the material discussed in :

- Bowers, N.L.; Gerber, H.U.; Hickman, J.C.; Jones, D.A.; Nesbitt, C.J., (1986). *Actuarial Mathematics*. The Society of Actuaries, Itasca, Illinois. Chapters 3,4,5,6,7.
- Ross, S.M. (2004). *Introductory statistics*. Elsevier Academic Press. (Or a similar textbook appropriate for an undergraduate course in statistics).
- Ross, S.M. (2009). *A first course in probability* (8th edition). Prentice Hall. (Or a similar textbook appropriate for an undergraduate course in probability).

Students also need operational knowledge of differential and integral calculus for one and several variables, as well as linear algebra and matrix calculations.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
GOL56A	Advanced Topics in Risk Management	26	6
GOQ14A	Advanced Non-life Insurance Mathematics	26	6
GOQ16A	Actuarial Models	39	6
GOQ20A	Fundamentals of Financial Mathematics	39	6

Second Semester

GOQ18A	Advanced Life Insurance Mathematics	39	6
GOQ22A	Financial Engineering	39	6
GOQ24A	Statistics for Finance and Insurance	39	6

MASTER OF ADVANCED STUDIES IN ECONOMICS

Research Master

Admission requirements: This Master programme is open to students with a university Master's Degree in Economics; Business Economics or Business Engineering awarded by the Faculty of Business and Economics at K.U.Leuven or comparable to a Master's degree in Economics; Applied Economics or Business Engineering from the Faculty of Business and Economics at K.U.Leuven. Another university degree requiring at least four years of study with a solid background in mathematics and statistics (for example, a university Master's degree obtained at the Faculty of Engineering or at the Faculty of Bioscience engineering) and with a strong interest in economics. A minimum of 240 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0M29B	The Economics of Financial Intermediation	26	6
D0M36B	Environmental and Transportation Economics	26	6
D0M37B	Advanced Corporate finance	39	6
D0M42A	Advanced International Trade Theory	26	5
D0M44A	Welfare Economics	26	5
D0M62C	Multivariate Statistics	39	6
D0M63B	Advanced Time Series Analysis	39	6
D0M75B	Asset Prices: Basic Models and Tests	39	6

Second Semester

C06B6B	Current Developments in European Integration	26	5
D0C38A	Advanced Labour Economics	39	6
D0M30B	Fixed Income Securities	39	6
D0M38B	Advanced International Monetary Economics	26	6
D0M40B	The Empirics of Financial Markets	39	6
D0M43B	Advanced Development Economics	39	6
D0M46A	Welfare, Inequality and Poverty	26	5
D0M47B	Advanced Industrial Economics	26	6
D0S91A	Advanced Applied Econometrics	39	6
D9X12A	Advanced Regression Modelling	82	6

MASTER OF ADVANCED BUSINESS STUDIES

Research Master

Admission requirements: students must hold either of the following:

- A Master's degree in Business (or a degree equivalent to **four or five years of management studies**).
- A Master's degree in another field, provided that the basics of business have been covered. The student should also have a sound mathematical and statistical background.
- A minimum of 240 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
D0I71A	Architecture and Modelling of Management Information Systems	52	6
D0M60B	Combinatorial Optimization and Local Search Techniques	39	6
D0M61B	Advanced Econometrics	39	6
D0M62C	Multivariate Statistics	39	6
D0M63B	Advanced Time Series Analysis	39	6
D0M75B	Asset Prices: Basic Models and Tests	39	6
D0N21A	Applied Game Theory	15	3
D0N22A	Economics of Information	12	3
D0R19A	Simulation Theory and Applications	39	6

Second Semester

D0I74A	Knowledge Management and Business Intelligence	52	6
D0M40B	The Empirics of Financial Markets	39	6
D0M47B	Advanced Industrial Economics	26	6
D0M90B	Optimization: Special Topics	39	6
D0N23A	Statistical Modelling	26	3
D0N24A	Bibliometrics as a Research Field	18	3
D0S88A	Economics and Strategy of Innovation	39	6
D0S91A	Advanced Applied Econometrics	39	6
D9X12A	Advanced Regression Modelling	82	6
G0A66A	Survey Methodology	15	4
G0B68A	Experimental Design	15	4
H02H4A	Multi-Agent Systems	81	4

OTHER MASTER COURSES

Admission requirements: Courses are open to students with a Bachelor degree in Economics or Business Economics. A minimum of 180 ECTS credits is required.

First Semester

Course Number	Title Course	Duration hours	ECTS Credits
C00J0A	International and European Human Rights Law	39	6
C05B2A	International Taxation	39	6
C06B1A	Constitutional Law of the European Union	39	6
C08B3A	International Business Law	39	6
D0R14A	Market Response Models	39	6
D0R18A	Project and Production Scheduling	39	6
D0R26A	Performance Management	39	6
D0R58B	Solvency of Financial Institutions	39	6
D0S92A	Operation Strategy in Manufacturing and Services	39	6
H02B2A	Cognitive Science	32	4
S0C76A	Human Computer Interaction	52	6
S0E06A	Interdisciplinary Perspectives on Development and Cultures	26	4

Second Semester

C01C0B	Economic Analysis of Law	26	5
C05B3A	European Taxation	39	6
C06B7A	European Competition Law	26	4
C06G0A	European Company Law	26	4
D0R16A	Marketing Strategy Modeling	39	6

COURSES IN DUTCH

Dutch course descriptions are not included in this brochure.

This information is available on:

www.econ.kuleuven.be/onderwijs/

**Legally speaking, the Faculty has the right to organise a course in another semester than originally planned.
Although the Faculty has the authority to make last minute alterations, this rarely is the case.**