GHENT UNIVERSITY

Course Specifications

Valid in the academic year 2018-2019

Financial Modelling (F000890)

Course size (nominal values; actual values may depend on programme)

Credits	6.0	Study time	180 h
Contact hrs	45.0 h		

Course offerings and teaching methods in academic year 2018-2019

A (semester 2)	English	PDE tutorial	10.0 h
		lecture	15.0 h
		seminar: practical PC room classes	20.0 h

Lecturers in academic year 2018-2019

Mulier, Klaas	EB22	lecturer-in-charge

Offered in the following programmes in 2018-2019	crdts	offering
Master of Science in Business Economics (main subject Accountancy)	6	A
Master of Science in Business Economics (main subject Corporate Finance)	6	A
Master of Science in Business Engineering (main subject Data Analytics)	6	A
Master of Science in Business Engineering (main subject Finance)	6	A
Master of Science in Business Economics (main subject Marketing)	6	A
Master of Science in Business Engineering (main subject Operations Management)	6	A
Exchange programme in Economics and Business Administration	6	A

Teaching languages

English

Keywords

Financial planning, business modelling, analysis

Position of the course

The course objective is to equip students with the know-how to build financial business models and to use these models for business analyses. Students will learn to build and use integrated financial models, reports and projects, and further enhance their modelling, analysis and decision-making skills. They will further learn how to adapt financial models to the reality (negotiations).

Contents

Financial forecasting, cash-flow planning, capital budgeting, sensitivity analysis: with applications on project evaluation, credit application, valuation.

Initial competences

Financial Analysis, Corporate Finance

Final competences

1 The students will be able to build, use and evaluate financial tools and techniques used internally in business management. They will be able to contribute to other assignments performed by Financial Planning and Analysis departments in complex organizations.
2 Executing, analyzing and interpreting simulations and sensitivity analyses for complex financial decision models
3 Insight in the management of information and decision support systems and integrating them in a business environment
4 An attitude of applying the basic sciences (mathematics, statistics and information

science) for solving business economic problems in an autonomous and critical way
5 Effectively selecting, developing and validating methods and techniques in order to identify and model complex financial problems
6 Analysing complex financial problems with a high degree of autonomy and solving these using integrated decision support models and systems
7 Identifying, analyzing and integrating different levels of abstraction in an autonomous and effective manner in the design of decision support models and systems
8 Developing a personal standpoint with respect to complex operational, financial and marketing problems on the basis of results of decision support models and systems
9 Validating model solution outcomes in a critical manner in the perspective of the assumptions
10 Integrating multiple perspectives and making a trade-off between different solutions for complex operational, financial and marketing problems
11 Reporting professionally both orally and in writing on complex financial problems and their solutions in English
12 Project-based working in a team on a business economic research question in a multidisciplinary environment starting out from various roles with conflicting interests
13 Managing the complexity of financial processes by using decision support systems

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Lecture, PDE tutorial, seminar: practical PC room classes

Extra information on the teaching methods

Lectures, case studies, exercises, PBL-tutorial

Learning materials and price

Handouts, cases

References

Financial Modelling (S. Benninga)

Course content-related study coaching

Through Minerva

Evaluation methods

end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Written examination

Examination methods in case of periodic evaluation during the second examination period

Written examination

Examination methods in case of permanent evaluation

Assignment, peer assessment

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible in modified form

Extra information on the examination methods

Permanent evaluation: case study in group; grades based upon quality of the draft, presentation and peer assessment.
End of term evaluation: written examination.

Calculation of the examination mark

Permanent evaluation 60% (participation in the peer assessment accounts for 5%), end of term evaluation 40%.