

5.0 credits

30.0 h

Teacher(s) :	Giot Pierre ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	This course focuses on interest rates and credit risk modelling with a particular emphasis on yield curve theories, Monte Carlo simulations and tree-based approaches. Regarding credit risk modelling we focus on ratings models, yield-spread models and credit scoring models.
Aims :	Gain a sound understanding of interest rates modelling (including the modelling of interest rates under uncertainty) and credit risk models. <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Content :	The table of contents is the following : -Yield curve theories -Monte Carlos simulations to model the uncertainty of interest rates -Tree-based approaches to model the uncertainty of interest rates -Credit risk models (ratings, yield-spread, credit scoring models) -Introduction to futures and options
Other infos :	The course is mainly based on two book : 1) Santomero & Babbel : Financial Markets, Instruments & Institutions 2) Johnson : Bond evaluation, selection and management There is a written exam at the end of the course.
Cycle and year of study :	> Master [60] in Economics : General > Master [120] in Economics: General
Faculty or entity in charge:	ECON