UCLouvain

lactu2260

2025

Actuarial Enterprise Risk Management

3.00 credits	15.0 h	Q1

Teacher(s)	Vanbeneden Eddy ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	Mastery of English at the level of LANGL1330 course. LACTU2010 Actuariat des assurances dommages LACTU2030 Actuariat de l'assurance-vie LACTU2210 Quantitative Risk Management
Main themes	Risk taxonomy. Enterprise Risk Management (ERM) process (identification, analysis, measurement and mitigation), with a focus on (re)insurance companies. Interaction among risks. Model risk and governance aspects of risk management. Economic capital model.
Learning outcomes	
Evaluation methods	First session: assessment will be based on an examination and a case study. If the number of students allows it, the examination and the presentation of the case study will be oral. Otherwise, the examination will be written and there will be no oral presentation of the case study. Second session: oral examination. There is no need to submit a case study for the second session unless the student did not submit the case study for the first session. If the student uses an artificial intelligence tool to complete the case study, he/she is requested to state which tool he/she used and for what purpose.
Teaching methods	Ex-cathedra course and extra readings discussed during the courses. The course consists of 7 courses of 2 hours, and an extra optional Q&A session at the end.
Bibliography	· Lam, J. (2000). Enterprise Risk Management, From Incentives to Controls, second edition, Wiley, 2014. · Regulatory texts (Solvency II directive, BNB circulars…) · Practical insurance and reinsurance experience
Other infos	· Introduction · Risk Management in Context · Corporate governance and risk management · Sustainability risks and ESG · Risk Management Applications · Case study
Faculty or entity in charge	LSBA

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Actuarial Science	ACTU2M	3		