

3.00 crédits	15.0 h	Q2
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Enseignants	De Longueville Philippe ;
Langue d'enseignement	Anglais
Lieu du cours	Louvain-la-Neuve
Préalables	English knowledge, level of course LANGL1330. Knowledge of the actuarial and risk management concepts at the level of the courses: <ul style="list-style-type: none"> • Actuariat des assurances dommages (LACTU2010) • Actuariat de l'assurance-vie (LACTU2030) • Quantitative Risk Management (LACTU2210) • Mathématiques financières (LINMA2725)
Thèmes abordés	Enterprise Risk Management.
Acquis d'apprentissage	<p>A la fin de cette unité d'enseignement, l'étudiant est capable de :</p> <p>Contribution of the course to learning outcomes in the Master in Actuarial Sciences programme. By the end of this activity, students will have made progress in:</p> <ul style="list-style-type: none"> • As a priority, the following LO: 1.2, 1.6, 1.7, 2.1 • In a secondary way the following LO: 2.2, 2.4, 3.1, 3.3 <p>At the end of the course, the students will:</p> <ol style="list-style-type: none"> 1 <ul style="list-style-type: none"> • have a comprehensive understanding of ERM; • understand the risk management process: identify, analyse, measure and mitigate the risks faced by an undertaking, with a focus on (re)insurance companies; • understand how different risks can interact; • understand the governance aspects of risk management; • make the link between different areas of the actuarial sciences; • be able to develop a simplified economic capital model; • understand the importance and limitation of modelling in ERM.
Modes d'évaluation des acquis des étudiants	First session : written examination and case study. For the second session, the examination is in principle written. The lecturer may decide to organise an oral examination if the number of participants is limited. The completion of a case study is not required, unless the student did not carried out the case study in the first session.
Méthodes d'enseignement	The course consists of 7 courses of 2 hours and 1 course of 1 hour, extra readings (discussed during the courses), a case study and an extra optional Q&A session at the end.
Contenu	Introduction Chapter 1: Risk Management in Context Chapter 2: Corporate governance Chapter 3 : Evolution of risk management Chapter 4: Risk Management Applications Chapter 5: Case study
Bibliographie	<ul style="list-style-type: none"> • 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

Autres infos	<p>The course is optional for the students in the Master in Actuarial Science - ULB and Master of Actuarial and Financial Engineering – KULeuven</p> <p>The course refers to reinsurance and prudential requirements of (re)insurance companies, as taught in</p> <ul style="list-style-type: none"> • LACTU2280 Reinsurance and Alternative Risk Transfers • LACTU2270 Aspects actuariels des normes de solvabilité et comptables
Faculté ou entité en charge:	LSBA

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Master [120] en sciences actuarielles	ACTU2M	3		