

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	<p>English knowledge, level of course LANGL1330.</p> <p>Knowledge of the actuarial and risk management concepts at the level of the courses:</p> <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	<p>First session : written examination and case study.</p> <p>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.</p>
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	<p>Introduction</p> <p>Chapter 1: Risk Management in Context</p> <p>Chapter 2: Corporate governance</p> <p>Chapter 3 : Evolution of risk management</p> <p>Chapter 4: Risk Management Applications</p> <p>Chapter 5: Case study</p>
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		