

3 credits	15.0 h	Q2
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Teacher(s)	De Longueville Philippe ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	Courses of the 1st year of the master in actuarial science <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	Quantitative risk management by enterprises
Aims	<p>1 Based on this course, the student is able to identify the risks faced by the enterprise, to measure their impact and to design an appropriate strategy to manage them.</p> <p>-----</p> <p><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></p>
Teaching methods	Ex caethedra lectures supported by case studies.
Content	<p>Enterprise risk management (ERM) is the process of coordinated risk management of the organization's full range of risks as a whole. It consists in systematically and comprehensively identifying critical risks, quantifying their impact and implementing integrated strategies to maximize the Enterprise value.</p> <p>ERM not only covers the management of "pure" risks through the purchase of insurance and the management of financial risk with the use of derivative financial products but takes a 360°degree view of the organization's risk profile.</p> <p>The goal of ERM is to better understand the resistance of the enterprise to its key risks and to better manage enterprise risk exposures to the level desired by the management.</p> <p>The course covers the following topics:</p> <ul style="list-style-type: none"> - capital funding and structure, - financial reporting, - measuring value, - enterprise risk management framework, - ERM fundamentals, - credit risk, - operational risk, - and strategic risk.
Inline resources	Course material available through icampus.
Bibliography	<p>Les transparents se basent principalement sur</p> <ul style="list-style-type: none"> • Doherty, N. (2000). Integrated Risk Management: Techniques and Strategies for Managing Corporate Risk. McGraw Hill. • Sweeting, P. (2011). Financial Enterprise Risk Management. Cambridge University Press.
Faculty or entity in charge	LSBA

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Actuarial Science	ACTU2M	3	LECGE1212 AND LACTU2010 AND LACTU2040 AND LACTU2050 AND LACTU2170 AND LACTU2280	