



5 credits	30.0 h	Q2
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Teacher(s)	Denuit Michel ;Walhin Jean-François (compensates Denuit Michel) ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	The reinsurance market is presented. The different kinds of treaties are described. The pricing of excess loss reinsurance is deeply analysed. The reasons why an insurance company has to be reinsured are explained; finally the point of view of the insurer is adopted in terms of optimality of reinsurance arrangements.
Aims	<p>1 The aim of this course is to provide students with basic skills in reinsurance</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>
Content	Content The following topics will be developed: Introduction Why a reinsurance Proportional reinsurance Non proportional reinsurance Pricing of excess of loss treaties Capital allocation Optimal reinsurance Methods In-class activities X0 Lectures X0 Exercices/PT At home activities X0 Exercices to prepare the lecture X0 Paper work
Bibliography	<p>Les transparents se basent principalement sur</p> <ul style="list-style-type: none"> • Walhin J.F. (2012). La Réassurance, 2ème édition. Larcier. • Bauwens, V., Walhin, J.F. (2008). La Titrisation du Risque d'Assurance. Larcier.
Other infos	Evaluation : Class participation and written examination, in French Support : Slides provided through icampus
Faculty or entity in charge	LSBA

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Mathematics	MATH2M	5		
Master [120] in Actuarial Science	ACTU2M	5		
Master [120] in Mathematical Engineering	MAP2M	5		