

3.00 credits

15.0 h

Q1 and Q2

This biannual learning is being organized in 2026-2027

Teacher(s)	Denuit Michel ;Hainaut Donatien ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Prerequisites	Mastery of basic concepts in statistics and probability calculation, at the level of courses in the FSA1BA, INGE1BA, MATH1BA programs or the access minor in statistics, actuarial sciences and data science.
Main themes	This activity is based on presentations by speakers from the university world and the insurance industry. The topics are complementary to those of the program's various courses, dealing mainly with the management of new risks and the associated societal issues. Actuaries will also be called upon to help solve problems encountered outside the insurance industry.
Learning outcomes	At the end of this learning unit, the student is able to : With regard to the A.A. reference framework (A.A. of the Master of Science in Actuarial Science program), this activity enables students to master • As a priority, the following AA: 1.2, 1.7, 2.1, 2.2, 2.5, • Secondary, the following AA: 1.6, 1.8, 3.1, 3.3 On completion of this course, students will be able to: • Mobilize knowledge from the various courses in the program to tackle the management of new risks or the resolution of problems outside the traditional insurance framework. • Understand the social implications of the mechanisms and solutions proposed.
Evaluation methods	L'évaluation est basée sur un rapport individuel ou réalisé par groupe de deux étudiants au maximum. Ce document discute et approfondit, de manière critique et sur base d'une réflexion personnelle, un aspect abordé lors d'un des exposés. Il comptera 15 pages au maximum (hors annexes éventuelles) et comprendra un volet numérique d'application, ainsi qu'une étude bibliographique. Le cas échéant, l'usage de l'IA respectera les lignes directrices pour une utilisation responsable de l'intelligence artificielle générative en Faculté des Sciences. Notez que les titulaires se réservent le droit d'interroger oralement les étudiants sur le contenu de leur travail.
Teaching methods	Le cours consiste en une série d'exposés auxquels l'étudiant est tenu de participer.
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		