



In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

7 credits	45.0 h	Q1
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Teacher(s)	Hainaut Donatien ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	<p>1 The aim of this course is to present the basic principles of life insurance theory. After a short introduction to life tables, the main kinds of life insurance products are studied in detail regarding premium and reserve calculations. An introduction to modern life products is also presented. At the end of this course the students must be familiar with life calculations and be able to price life products.</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>
Bibliography	<p>Les transparents disponibles sur moodle et se basent principalement sur</p> <ul style="list-style-type: none"> <li>• Théorie et pratique de l'assurance vie. Michel Fromenteau et Pierre Petauton. 5ième édition 2017, Dunod.</li> <li>• Modélisation statistique des phénomènes de durée. Planchet F. et Thérond P. 2011, Economica.</li> <li>• Actuarial Mathematics for Life Contingent Risks. Dickson, D.C.M., Hardy, M.R., Waters, H.R. 2009, Cambridge University Press.</li> <li>• Construction de Tables de Mortalité Périodiques et Prospectives. Delwarde, A., Denuit, M. 2005, Economica.</li> </ul>
Faculty or entity in charge	LSBA

**Programmes containing this learning unit (UE)**

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Mathematics	<a href="#">MATH2M</a>	7		
Master [120] in Actuarial Science	<a href="#">ACTU2M</a>	7		
Master [120] in Mathematical Engineering	<a href="#">MAP2M</a>	7		