

5.00 credits

30.0 h + 7.5 h

Q2

Teacher(s)	Barigou Karim ;Devolder Pierre ;
Language :	French
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	Actuarial models for Social Security. Private and public regimes. Actuarial valuation: Pay as you go, aggregate and individual cost methods, defined benefits, defined contributions, notional accounts.
Learning outcomes	
Bibliography	•Pierre DEVOLDER (2005) : <i>Le financement des régimes de retraite</i> (Economica) •Pierre DEVOLDER (2019) : <i>Nouveaux horizons des retraites</i> (Kluwer)
Faculty or entity in charge	LSBA

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Mathematics	MATH2M	5		
Master [120] in Actuarial Science	ACTU2M	5		
Master [120] in Mathematical Engineering	MAP2M	5		
Certificat d'université : Initiation à l'actuariat (10/22 crédits)	ACTI2FC	5		