UCL Université catholique de Louvain

LACTU2040

2015-2016

PENSION FUNDING

5.0 credits	30.0 h + 15.0 h	2q

Teacher(s) :	Devolder Pierre ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	The purpose of the course is to provide students with basic skills to the funding principles of public and private pension scheme.
Aims :	This course aims to familiarise students with the main principles that underpin public and private provident fund schemes (mainly social security and pension funds). A deep comparison between pay as you go and funding methods is presented. At the end of the course, the students must be able to establish the funding scheme of a pension. *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".*
Content :	Content The following topics will be developed: 1. Pension scheme 2. Elements of demography 3. General funding schemes 4. Basic concepts of social security 5. Fund of equilibrium 6. Pay as you go and defined contributions 7. Funding methods 8. Individual methods 9. Collective methods 10. Actuarial gain and loss 11. Accounting standards Methods In-class activities X0 Lectures X0 Exercices/PT At home activities X0 Exercices to prepare the lecture X0 Paper work
Other infos :	Evaluation : Class participation and written examination, in French Support : Slides provided through icampus References : The course is based on the book : "le financement des régimes de retraites" (Pierre Devolder, Economica, Paris)
Faculty or entity in charge:	LSBA

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Actuarial Science	ACTU2M	5	-	
Master [120] in Mathematics	MATH2M	5	-	
Master [120] in Mathematical Engineering	MAP2M	5	-	