

Actuarial study of pensions

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Course : 12 hours - TP : 0 hours

Objectives

The aim of the course is to familiarize students who are considering an actuarial-insurance activity with the technical and financial functioning of pension schemes. The course reviews the basic principles for estimating the cost of these plans and measuring the value of the commitments made.

Outline

- 1 Introduction to pension engineering
- 2 The price of pensions : General
- 3 The price of pensions : Basic Actuarial Techniques
- 4 Mandatory pension schemes in France
- 5 Supplementary pension schemes in France
- 6 Other forms of retirement preparation in France
- 7 Pension schemes in Europe
- 8 Accounting for pension commitments within companies
- 9 The technical and financial management of pension schemes and their solvency

Bibliography

- CONSEIL D'ORIENTATION DES RETRAITES (2010). 7ème et 8ème rapports, COR.
- HALLOPEAU M. (Sous la direction de) (2007). *Prévoyance épargne retraite supplémentaire de l'entreprise*, L'Argus de l'Assurance.
- KESSLER D., STRAUSS-KAHN D. (1982). *L'épargne et la retraite*, Economica.
- PETAUTON P. (2004). *Théorie et pratique de l'assurance-vie*, Edition Dunod [36 PET 00 A].