

**ACMA 490-3E
THEORY OF PENSIONS**

**Spring 2003
EVENING COURSE**

Prerequisites:

STAT 280. Corequisite: ACMA 320, or permission of the Department of Statistics & Actuarial Science.

Textbook:

The Handbook of Canadian Pension Plans 12th edition, Revised by Jennifer Greenan, publisher CCH Canadian Ltd.

References:

Private Pension Policies in Industrialized Countries by J. Turner and N. Watanabe 1995, publisher W.E. Upjohn Institute for Employment Research

Fundamentals of Private Pensions, 7th edition, by McGill, Brown, Haley, and Schieber 1996, publisher Pension Research Council, The Wharton School of the University of Pennsylvania

Calendar Description:

Topics in areas of probability and statistics not covered in the regular undergraduate curriculum of the department.

Outline:

Section I - Overview of Pension Plans (70%)

- Defined Benefit Plans versus Defined Contribution Plans
- Replacement ratio
- Plan Design
- Government versus private pension plans
- Funding Mechanisms
- Other practical issues relating to the pension environment in Canada (e.g. accounting for pension expense, union issues, public pension plans, executive arrangements, investment issues, - time will dictate which topics are covered)