

Students requiring accommodations as a resolutisability, must contache Centre for Studentwith Disabilities 778-782-3121 or csdo@sfu.ca

Instructor: Dr. Yi Lu

Prerequisite:

ACMA 320

Required Text:

Actuarial Mathematic \$2nd ed 1997) by Bowers, Gerber, et al.; Society of Actuaries

References:

Life Insurance Mathematics by Gerber, Springer-Verlag The Mathematics of Life Insurance by Menge and Fisher; Ulrich's Life Contingenices C.W. Jordan; Society of Actuaries

Calendar Description:

Actuarial reserves: allocation of the loss to the policy yearshiptiple life functions: joint-life, last-survivor. Multiplecrement models: stochastic and deterministic approaches, associated single det; franctional durations. Valuation theory for pension plansurance models including expenses: gross premiums and reserves, typeonfses, modified reserves. Nonforfeiture benefits and divide quity concept, cash values insurance options, asset shares, dividends. Covers part of the syllabus for Exam M of the Soariety, can Actuarial Society unantitative

Course Description:

This course, a continuation of ACMA 320, covers the fundamentals of Actuarial Mathematics.

Outline: