Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 604-291-3112 or csdo@sfu.ca

Instructor: Dr. Yi Lu

Prerequisite:

ACMA 320

Required Text:

Actuarial Mathematics (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 by C.W. Jordan; Society of Actuaries

Calendar Description:

Actuarial reserves: allocation of the loss to the policy years. Multiple life functions: Joint-life, last-survivor. Multiple decrement models: stochastic and deterministic approaches, associated single decrement, fractional durations. Valuation theory for pension plans. Insurance models including expenses: gross premiums and reserves, type of expenses, modified reserves. Nonforfeiture benefits and dividends: equity