



Actuarial Science 427

Life Contingencies II

(see Course Descriptions for the applicable academic year: <http://www.ucalgary.ca/pubs/calendar/>)

Reference Text: “Actuarial Mathematics,” Bowers, Gerber, Hickman, Jones, Nesbitt, second edition, Society of Actuaries, 1997. (not necessarily a required text)

Syllabus

Topics

Chapter 6 (6.1-6.4): Benefit Premiums

Chapter 7 (7.1-7.6): Benefit Reserves

Chapter 8 (8.1-8.4): Analysis of Benefit Reserves

Chapter 15 (15.1-15.2.1, 15.4): Insurance Models Including Expenses

Time permitting, additional material from Chapters 6-8, 15 (15.1-15.5), and 16 (see below) may be included:

Chapter 16 (16.1-16.3, 16.6-16.8)

It is intended that this course should cover a portion of the syllabus for that part of the professional actuarial examination concerned with Life Contingencies. Currently, this corresponds to most of the material listed above from Chapters 6-8 and 15 that is on the syllabus for the Society of Actuaries Exam M, Life Contingencies Segment (MLC). This course syllabus should be updated as needed, with this objective in mind.

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