Module 3 – Premiums

Section 1: Overview

Section 2: Loss-at-Issue Present Value Random Variables
Example 1: Single Premium / Continuous Insurance
Example 2: Short Term Semi-Continuous
Example 3: Fully Discrete Whole Life

Section 3: Matching Special Statuses: $\sigma = x$ and $\sigma = x: \bar{\pi}$,
$\sigma = xy$ and $\sigma = xy: \bar{\pi}$, and $\sigma = xy$ and $\sigma = xy: \bar{\pi}$

Section 4: Equivalence Principle (Net Premiums)
Part 1: Basic Idea
Part 2: Net Premium Notation for Common Discrete Examples
Part 3: Net Premiums for Matching Special Statuses
Part 4: Other Net Premiums
Part 5: With $k$-pay and $m$th-ly premiums

Section 5: Incorporating Expenses
Part 1: Expense Types
Part 2: Equivalence Principle (Gross Premiums)
Example: Fully Discrete Whole Life

Section 6: Refunding Premiums

Section 7: Percentile (Probability) Premiums
Example 1: Multiple Policies and the Normal Approximation
Example 2: Single Policy Continuous Type
Example 3: Single Policy Discrete Type