

ACT372 H1S – Jan-Apr 2022

Course Syllabus

Course Objectives

- Introduction to Ratemaking
 - Reference book: *Fundamentals of General Insurance Actuarial Analysis*, Friedland, J., 2013, *Society of Actuaries*
 - Will not prepare for the SOA or CAS exam
 - Will apply techniques and develop analyses on industry data
 - Will share similarities with traditional Co-op assignments

- Evaluation
 - 10% - Attendance and Participation
 - Data Extraction and preparation for Team Assignment #1 – due Feb 2
 - 25%/5% - Team Assignment #1 - Ratemaking Report – due Mar 1 / Presentation on Mar 2
 - Data Extraction and preparation for Team Assignment #2 – due Mar 23
 - 25%/5% - Team Assignment #2 - Ratemaking Report – due on Apr 5 / Presentation on Apr 6
 - 30% - Final Exam

<u>Week</u>	<u>Chapters</u>
Jan 12	Syllabus, Objectives, Recap of Claim Development & Overview of Ratemaking Process
Jan 19	Written & Earned Premium/Exposure, Rate Change, Premium Trend, Exposure Trend (Ch. 11, 12, 26)
Jan 26	Pure Premium, Severity & Frequency Trends (Ch. 7, 15, 25)
Feb 2	Catastrophe & Large Claims, Credibility (Ch. 6, 30)
Feb 9	Basic Ratemaking – Claim Ratio Approach (Ch. 31) and Pure Premium (Ch. 31)
Feb 16	Basic Ratemaking – Expenses & Profit (Ch. 4.6, 29)
Feb 23	Reading Week
Mar 2	*** Present Ratemaking Results and Submit Ratemaking Report 1 (report due Mar 1)
Mar 9	One-way classification (Ch. 32)
Mar 16	Deductibles & Increased Limits (Ch. 33)
Mar 23	Multiway Analysis and Glimpse of GLM
Mar 30	Considerations for Proposed Changes: Competitors & Market Forces, Regulators
Apr 6	*** Present Ratemaking Results and Submit Ratemaking Report 2 (report due Apr 5)