



COURSE OUTLINES (SYLLABI) FOR UNDERGRADUATE COURSES
(To be posted no later than the first day of class in the term a course is given)

Actuarial Practice AS4426/AS9426 Course Outline

1. Course Information

Course Information

Course Name: Actuarial Practice

Course Number: AS 4426F and AS 9426A

Term: Fall

Location: WSC 240

Time: Tue 9:30 AM – 10:30 AM, Thu 8:30 AM – 10:30 AM

List of

Learning Outcomes

Upon successful completion of this course, students will be able to:

- x Understand the various types of insurance products sold in the Canadian market
- x Calculate, and interpret the results of different reserving methods
- x Perform a product design and pricing analysis
- x Understand the distinguishing characteristics of both defined contribution and defined benefit pension plans
- x Calculate the cost components of a defined benefit pension plan
- x Understand the various risks that large scale enterprises face

Classes are in person.

Week 1 September 9	Introduction
Week 2 September 14 September 16	Types of Insurance Contracts
Week 3 September 21 September 23	Financial Elements of Life Insurance and Annuity Contracts Elements of the Gross Premium Calculation
Week 4 September 27 September 30	Measuring Profitability. 481 re f 539.52 528.2

December 2	
Week 13 December 7	Review

x Zoom

5. Methods of Evaluation

The overall course grade will be calculated as listed below:

Assignments (3)	75%
Final Exam	25%

Assignment 1 (25%) Professionalism and an introduction to life insurance (Due Oct 7)

Assignment 2 (25%) Life insurance pricing and valuation, making observations, inferences, and decisions (Due Nov 18)

Assignment 3 (25%) Pension design and valuation, making observations, inferences, and decisions (Due Dec 8)

Final Exam (25%) Written answer test, with cumulative course coverage

The final assignment will be due at 11:55 PM December 8th (the last day of classes)

The final exam will be in person and closed book. It will be scheduled by the Office of the Registrar.

Accommodated Evaluations

- x Late assessments with illness self-reports will be subject to a late penalty 20%/day, and assessments that are submitted 5 or more days late will not be graded
- x Late assessments with illness self-reports should be submitted within 24 hours of submission of the last illness self-report
- x An assessment cannot be submitted after it has been returned to the class. The weight will be transferred to the final exam if the assessment was missed for valid reasons

Rounding of Marks Statement

Across the Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. Final grades on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g.,

- (i) Submitting a Self-Reported Absence (SRA) provided that the conditions for submission are met. To be eligible for a Self-Reported Absence:
- an absence must be no more than 48 hours
 - the assessments must be worth no more than 30% of the student's final grade
 - no more than two SRAs may be submitted during the Fall/Winter term
- (ii) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed

If a student fails to write a scheduled Special Examination, the date of the next Special Examination (if granted) normally will be the scheduled date for the final exam the next time th

information about this remote proctoring service, including technical requirements, is available on Western's Remote Proctoring website at:

<https://remoteproctoring.uwo.ca>

8. Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling page for information on adding/dropping courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: <https://www.uwo.ca/sci/counselling/>

Please contact the course instructor if you require lecture printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Accessible Education at (519) 661-2147 if you have any questions regarding accommodations.

Western University is committed to a thriving campus as we deliver our courses in the mixed model of both virtual and face-to-face formats. We encourage you to check out the Digital Student Experience website to manage your academics and well-being: <https://www.uwo.ca/se/digital/>.

Learning skills counsellors at the Student Development Centre (<http://www.sdc.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop Learning Help Centre, and year round through individual counselling.

Students who are in emotional/mental distress should reach out to Mental Health@Western (<http://www.health.uwo.ca/mentalhealth>) for a complete list of options about how to obtain help.

Additional student-run support services are offered by the USC, <http://westernusc.ca/services>