

Mathematics 630 Au
631 Wi
632 Sp

3 cr.

Actuarial Mathematics I
Actuarial Mathematics II
Actuarial Mathematics III

Prerequisite:

Mathematics 618, and Mathematics 530 or Statistics 520 or equivalent; or permission of instructor.

Catalog Description:

630: Individual risk models; survival distributions and life tables; life insurance annuities

631: Continuation of 630; net premiums and net premium reserves; multiple life functions; multiple decrement models.

632: The Mathematics 632 syllabus will be revised to match the topics in Society of Actuaries Exams currently under revision.

Purpose of Courses:

This sequence is designed to introduce students to the mathematical content of the theory of contingencies. The sequence includes some material from several new Examinations of the Society of Actuaries and the Casualty Actuarial Society. The sequence is required for the undergraduate major in actuarial science.

Text:

Actuarial Mathematics., 2nd edition, Newton L. Bowers, Jr., et al, Society of Actuaries, 1997.

Course Coordinators:
Bostwick Wyman
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