



Catalog Description:

5630-5631 introduces students to the mathematical theory of contingencies. Includes material from examinations by the Society of Actuaries and the Casualty Actuarial Society.

Prerequisite:

C- or better in Math 5630, or credit for 630.

Exclusions:

Open only to actuarial science majors, and to MMS students specializing in Financial Math.

Text:

Actuarial Mathematics for Life Contingent Risks, by Dickson, Hardy & Waters, published by Cambridge, ISBN: 9780521118255.

Topics List:

1. Benefit reserve.
2. Multiple life functions.
3. Multiple decrement models.
4. Random and deterministic survivorship group.
5. Valuation of pension plans.
6. Applications.