



Catalog Description:

This course sequence 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 3618 **and** C- or better in 4530, 5530H, or Stat 4201; or credit for 530, 531H, or Stat 420; or permission of department.

Exclusions:

Open only to actuarial science majors.

Text:

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

Topics List:

1. Survival distributions.
2. Individual risk models.
3. Life tables.
4. Topics from life insurance.
5. Life annuities.
6. Benefit premiums.