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Life Contingencies

MATH-385*

This course covers the mathematical theory behind life contingencies and provides students with an introduction to a portion of the material covered in the Society of Actuaries course 3 examination. Topics include survival models, life insurance, life annuities, benefit premiums, benefit reserves, multiple life functions and multiple decrement models.

Textbook: *Course Notes*

Prerequisite: MATH-121, 384* and STAT-251* or permission of the instructor.

Instructor: Mark Pawziuk (Empire Life Insurance Co.)

Evaluation:	Final Examination	60%
	Midterm Test	20%
	Assignments (Best 5 of 6)	20%

Topics:

- Review of Fundamentals, Survival Analysis
- Life Insurance
- Life Annuities
- Benefit Premiums
- Benefit Reserves
- Analysis of Benefit Reserves
- Multiple Life Models
- Multiple Decrement Models