

Course: Actuarial Mathematics (MATH 446)
Instructor: Dr. Jonathan Kane
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CLASS WEB PAGE: <http://math.uww.edu/faculty/kanej/actuary.htm>

OFFICE HOURS:

Monday 3:30 - 6:00
Tuesday 8:30 - 9:30, 11-Noon (when no meeting)
Wednesday Noon-2, 3:15 - 4:15
Thursday 11-Noon (when no meeting)
Exception: Wednesday March 11

Also, my e-mail will be checked daily. I will generally not be on campus on Fridays. If you are having trouble finding times you can speak with me, let me know; **I will be able to accommodate your schedule.**

TEXT: *Mathematical Interest Theory* by Daniel and Vaaler available in textbook rental

CALCULATOR: All students must have a financial calculator, preferably the Texas Instrument BA II Plus.

PREREQUISITES: The prerequisite for this course is a course in probability theory. Actually, most of the course can be done with precalculus mathematics while some will need second semester calculus. Probability theory will be used only if we cover life contingencies.

GRADES: Grades for this course will be based on 11 short 25 point quizzes, three 100 point in-class tests, and one 200 point final exam.

OBJECTIVES: We will attempt to cover the entire textbook which should give you a solid background in the theory of interest and prepare you for taking the FM exam offered by the Society of Actuaries and the Casualty Actuarial Society. With any remaining time, we will cover an introduction to the theory of life contingencies and to the actuarial profession in general.

TENTATIVE SCHEDULE:

Compound Interest	Chapters 1 & 2	WEEKS 1,2
Annuities	Chapters 3 & 4	WEEKS 3,4,5,6
Loan Repayment	Chapter 5	WEEK 7,8
Bonds	Chapter 6	WEEK 9,10
Applications	Parts of Chapters 7,8,9	WEEKS 11,12,13
Life Contingencies		WEEKS 14,15

TESTS:

February 19
March 19
April 23
Final Exam May 14 10-noon
Quizzes will be on Thursdays
when there are no tests.

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