

**Math 416B Spring 2018**  
**Actuarial Problems II**

**Instructor:** Dr. Kathy Temple

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**Office Hours:** MWF 1 - 1:50 PM, T 1:30 - 2:30 PM, and by appointment.

**Course Goals:** This course is designed to prepare students for the actuarial exam FM. At the end of the course students should be able to solve interest theory problems like the ones that appear on this exam.

**Prerequisite:** Math 418B; I will assume that 418C is being taken concurrently.

**Required Text:** ACTEX Study Manual for Exam FM, Spring 2018 Edition.

**Evaluation:**

- Homework (40%); see below.
- Module Summaries (20%); see below.
- Weekly quizzes that are designed to give you practice working under exam conditions (40%); see below.

**Course Conduct:**

- **Required Materials:** See the above for the required texts. You will also need at least a scientific calculator. I strongly recommend a financial calculator, in particular either the BAII+ or the BAII+ Professional. *For this class, you will only be allowed to use a calculator that is on the approved list for the actuarial exams.*
- **Homework:** Homework will be due each week on Fridays. Assignments will be given the Friday before, but expect to be working about 25 problems/week (some weeks may be a bit more and some a bit less). Credit will not be given for late homework. We'll work through all of the topics in the ACTEX manual over the course of the quarter.
- **Section Summaries:** Sometime before *3PM on Wednesday* you'll need to submit to me a "module summary" of the assigned module for the week. These module summaries should include any important definitions, results, and formulas from the section assigned for the week. Try to distill the information as much as possible while still including the important points. The goal with these is that you can use the summaries as "cheat sheets" for your exam studying.
- **Class Format:** On Friday, we'll start with a quiz that's designed to give you practice working under exam conditions - see below. The second hour of class will be spent reviewing difficult topics, discussion, practice, etc.
- **Quizzes:** Quizzes will be given during the first hour of class each Friday. They'll be cumulative over everything we've covered so far this quarter in our review. They'll start out taking around 30-35 minutes and get progressively longer; by the end of the term they'll be like a scaled practice exam. There will be no make-up quizzes (unless arranged in advance

for school-related activities), but I will drop the lowest quiz score to allow for unavoidable absences. You'll be allowed to use your module summaries on the quizzes (within reason!) for the first couple weeks after we cover that section. The table below lists quiz dates, module coverage, and which module summaries you'll be allowed to use.

Quiz	Date	Modules	Allowed Summaries
Quiz 1	Friday, April 6	1	1
Quiz 2	Friday, April 13	1 - 2	1, 2
Quiz 3	Friday, April 20	1 - 3	2, 3
Quiz 4	Friday, April 27	1 - 4	3, 4
Quiz 5	Friday, May 4	1 - 5	4, 5
Quiz 6	Friday, May 11	1 - 6	5, 6
Quiz 7	Friday, May 18	1 - 7	6, 7
Quiz 8	Friday, May 25	1 - 8	7, 8
Quiz 9	Friday, June 1	1 - 9	8, 9

- Other Information:** Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email [ds@cwu.edu](mailto:ds@cwu.edu) for more information.