

**Math 416A Winter 2016**  
**Actuarial Problems II**

**Instructor:** Dr. Kathy Temple

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**Office Hours:** MW 11 - 11:50 AM, TTh 10 - 10:50 AM, and by appointment.

**Course Goals:** This course is designed to prepare students for the actuarial exam P/1. At the end of the course students should be able to solve probability problems like the ones that appear on this exam.

**Prerequisite:** Math 411A; I will assume that 411B is being taken concurrently.

**Required Text:** ACTEX Study Manual for Exam P, 2012 Edition or newer.

**Evaluation:**

- Homework (40%); see below.
- Section 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 the TI-30X Multiview or TI-30XII. *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 Tuesday. Assignments will be given the Tuesday 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, hopefully with some time for review at the end.
- **Section Summaries:** On Thursday of each week, you'll need to bring to class a "section summary" of the assigned review sections for the week. These section 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:** Each week on Tuesday, you'll turn in homework. We'll have some time (at least in the early weeks) to go over homework questions, and then you'll do a quiz, designed to give you practice working under exam-type conditions. See below for more information about quizzes. On Thursdays, we'll talk about the sections-of-the-week; this may involve going over questions or doing some practice problems or examples in class. I'll check off your section summaries on Thursday, as well.

- **Quizzes:** Quizzes will be given each week on Tuesday (except for the first week). They'll be cumulative over everything we've covered so far this quarter in our review. They'll start out taking around 20-30 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, but I will drop the lowest quiz score to allow for unavoidable absences. You'll be allowed to use your section summaries on the quizzes (within reason!) for the first couple weeks after we cover that section. The table below lists quiz dates, section coverage, and which section summaries you'll be allowed to use.

Quiz	Date	Sections	Allowed Summaries
Quiz 1	Tuesday, Jan. 12	1 -2	1, 2
Quiz 2	Tuesday, Jan. 19	1 - 4	1, 2, 3, 4
Quiz 3	Tuesday, Jan. 26	1 - 5	3, 4, 5
Quiz 4	Tuesday, Feb. 2	1 - 6	5, 6
Quiz 5	Tuesday, Feb. 9	1 - 7	6, 7
Quiz 6	Tuesday, Feb. 16	1 - 8	6, 7, 8
Quiz 7	Tuesday, Feb. 23	1 - 9	6, 7, 8, 9
Quiz 8	Tuesday, Mar. 1	1 - 10	9, 10
Quiz 9	Tuesday, Mar. 8	1 - 10	None!

- **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.