

Math 416A Winter 2015
Actuarial Problems II

Instructor: Dr. Kathy Temple

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Office Hours: MTF 1:30 - 2:30 PM, W 12:30 - 1:30 PM, 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: No specific text is required. However, I do require that you have a source of problems that you are working through. This can be a paper study manual or an online study system such as ADAPT. Please talk to me if you would like suggestions.

Evaluation:

- Homework (50%); see below.
- Weekly ‘quizzes’ that are designed to give you practice working under exam conditions (50%); see below.

Course Conduct:

- **Required Materials:** See the above discussion about 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:** As mentioned above, you are required to have a source of problems that you are working through. You are required to work a minimum of 25 problems/week (note that this is less than the length of a full-length practice exam). You may wish to keep your work in a notebook or binder. Your work is due **each Friday** at the beginning of class. You should write the source of your problems at the top of your assignment. Every couple of weeks, you should check in with me about where you will be focusing your efforts - review of specific topics, practice exams, etc. Your work needs to be organized enough that I can figure out what is there and what you are doing. Credit will not be given for late homework.
- **Class Format:** One hour of class each week will be devoted to review of difficult topics, discussion, practice, etc. The other hour of class each week will consist of a quiz, designed to give you practice working under exam conditions. See below for more details.
- **Quizzes:** Quizzes will be given on the days listed below. The quizzes will be cumulative over everything we have covered so far this year. They may start out a bit shorter, but by the end of the quarter our goal is to have the length scaled so that the amount of time for each problem is the same as it would be on the actuarial exam; this works out to about 8-9 problems in a 50-minute class hour. The amount of resources you may use will be adjusted as the quarter goes on; see the table below. There will be no make-up quizzes, but I will drop the lowest quiz score to allow for unavoidable absences.

Quiz	Date	Allowed materials
Quiz 1	Friday, Jan. 16	411 text, 411 class notes, and any personal notes
Quiz 2	Monday, Jan. 26	Any personal notes or notecards
Quiz 3	Monday, Feb. 2	Any personal notes or notecards
Quiz 4	Monday, Feb. 9	Any personal notes or notecards
Quiz 5	Friday, Feb. 20	Single notecard, no larger than 4 × 6 inches, two sides
Quiz 6	Friday, Feb. 27	Single notecard, no larger than 4 × 6 inches, two sides
Quiz 7	Friday, Mar. 6	Just you!
Quiz 8	Friday, Mar. 13	Just you!

- Other Information:** Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their “Confirmation of Eligibility for Academic Adjustments” from the Center for Disability Services as soon as possible so we can discuss how the approved adjustments will be implemented in class. Students without this form should contact the Center for Disability Services, Bouillon 140 or dssrecept@cwu.edu or 963-2171.