

**Math 416B Spring 2014**  
**Actuarial Problems III**

**Instructor:** Dr. Kathy Temple

**Office:** Bouillon 107B

**Phone:** 963-1389

**E-mail:** templek@cwu.edu

**Webpage:** <http://www.cwu.edu/~templek>

**Office Hours:** MW 1 - 1:50PM, F 10 - 11:50AM, and by appointment. Note that T/Th appointments can be arranged (happily arranged, even!), so long as this is done in advance.

**Course Goals:** This course is designed to prepare students for the actuarial exam FM/2. 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:** 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 a financial calculator, in particular either the BAI+ or the BAI+ Professional. *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. 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:** The first hour of class each week will be devoted to review of difficult topics, discussion, practice, etc. The second 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 during the second hour of class each Friday. 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 10 problems in a 50-minute class hour. The amount of resources you may

use will be adjusted as the quarter goes on: For weeks 1 and 2 (April 4 and 11) you may use your 418 text, 418 class notes, and any personal notes you have made. For weeks 3, 4, and 5 (April 18, 25, and May 2) you may use any personal notes or notecards you have made. For weeks 6, 7, and 8 (May 9, 16, and 23) you may use a single notecard, no larger than  $4 \times 6$  inches, two sides. For the last two weeks (May 30 and June 6) you may not use any notes at all. Make-up arrangements must be made prior to a quiz unless you can document an unexpected circumstance beyond your control that prevented you from taking the quiz.

- **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](mailto:dssrecept@cwu.edu) or 963-2171.