

## Winter 2006

### Math 521: Life Contingencies II

Section 002, T-Th 10:10, 3088 East Hall

Dr. Kristen Moore, 2863 East Hall, 734 615 6864

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**Text:** *Actuarial Mathematics*, Second Edition, Bowers et. al., ISBN: 0-938959-46-8

**Errata:** <http://www.soa.org/ccm/content/exams-education-jobs/candidate-and-exam-information/spring-exam-session/study-notes/errata-for-actuarial-mathematics/>

**Office Hours:** Wednesday 1:30-4:30 and by appointment

**Prerequisites:** Math 424 and Math 425

**Attendance:** Though I don't take attendance in class, it benefits you to attend class regularly. You are responsible for all of the material and announcements from each lecture. I do post the handouts from lecture within a day or two, but I do not post lecture notes. If you miss a class, it is *your* responsibility to get the notes from a classmate.

#### Grading Policy and Important Dates

- I will assign homework problems in class (and on the course webpage) regularly. I will not collect homework. However, I will probably assign a few hand-in problems or computer projects; I will give you at least one week's notice for these assignments. They will count as a quiz grade.
- We will have 9 quizzes based on the homework problems and examples from lecture. I do not give make up quizzes, but I will drop your lowest quiz grade. **The quiz dates are:**

|      |      |
|------|------|
| 1/12 | 3/9  |
| 1/19 | 3/16 |
| 1/26 | 3/23 |
| 2/2  | 4/13 |
| 2/21 |      |

- We will have two midterm exams; the dates are Thursday, 2/9 and Thursday, 3/30.** I do not give makeup exams, except in the case of a *well-documented* family or medical emergency.
- Our final exam is cumulative. It will be at the time scheduled by the registrar: **Monday, 4/24/06 at 4:00 PM.**
- Your final grade will be determined according to the following weights:

|             |     |
|-------------|-----|
| Quiz Total  | 20% |
| First Exam  | 20% |
| Second Exam | 20% |
| Final Exam  | 40% |

**Guaranteed Minimum Grade:** A (93+ - 100), A- (90+ - 92+), B+ (87+ - 89+), B (83+ - 86+), B- (80+ - 82+), C+ (77+ - 79+), C (73+ - 76+), C- (70+ - 72+), D (60s), E (<60).

#### Syllabus

I plan to cover Chapters 7-11 of the text and parts of Chapters 15 and 16. A **tentative** course schedule appears on the next page. *I expect that our actual progress through the text will deviate somewhat from this schedule.*

#### Course Website

You can visit the course website by logging in at the CTools portal site <https://ctools.umich.edu/portal>. If you are registered for Math 521, you should see a link to the course webpage. I will post announcements, homework assignments, messages, and other course resources on the course webpage regularly. If you have trouble accessing the webpage, please send me an e-mail.

## Tentative Schedule for Math 521-002

I expect our progress through the text to deviate somewhat from this schedule.

| <b>Tuesday</b>   | <b>Thursday</b>                |
|--|--------------------------------|
| 01/03/06   | 1/5/06                         |
|  | Chapter 7                      |
| 1/10/06  | 1/12/06                        |
| Chapter 7  | Chapter 7<br><b>Quiz 1</b>     |
| 1/17/06  | 1/19/06                        |
| Chapter 7 & 8  | Chapter 7 & 8<br><b>Quiz 2</b> |
| 1/24/06  | 1/26/06                        |
| Chapter 9  | Chapter 9<br><b>Quiz 3</b>     |
| 1/31/06  | 2/2/06                         |
| Chapter 9  | Chapter 9<br><b>Quiz 4</b>     |
| 2/7/06   | 2/9/06                         |
| Catch-up and Review                                    | <b>Exam 1</b>                  |
| 2/14/06  | 2/16/06                        |
| Chapter 9  | Chapter 9                      |
| 2/21/06  | 2/23/06                        |
| Chapter 10<br><b>Quiz 5</b>                            | Chapter 10                     |
| 2/28/06  | 3/2/06                         |
| <b>No Class – Spring Break</b>                         | <b>No Class – Spring Break</b> |
| 3/7/06   | 3/9/06                         |
| Chapter 10   | Chapter 10<br><b>Quiz 6</b>    |
| 3/14/06  | 3/16/06                        |
| Chapter 10   | Chapter 11<br><b>Quiz 7</b>    |
| 3/21/06  | 3/23/06                        |
| Chapter 11   | Chapter 11<br><b>Quiz 8</b>    |
| 3/28/06  | 3/30/06                        |
| Catch-up and Review                                    | <b>Exam 2</b>                  |
| 4/4/06   | 4/6/06                         |
| Chapter 15   | Chapter 15                     |
| 4/11/06  | 4/13/06                        |
| Chapter 16   | Chapter 16<br><b>Quiz 9</b>    |
| 4/18/06  | 4/20/06                        |
| Catch-up and Review                                    |                                |
| 4/25/06  | 4/27/06                        |
| <b>Final Exam: Monday April 24<br/>4:00PM – 6:00PM</b> |                                |