Ma 458 Actuarial Models - Life Contingencies (Spring 2013)

Time and Place. M,W,F 8:00-9:20, E380

Instructor. Dr. Gabriela Sanchis, 384 G Esbenshade Hall, Office Phone: 361-1339

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Office Hours. M: 2-3:30; W: 9:30-11:00; Th: 3:30-4:30; F: 2-4; and by appointment.

Textbook. ASM Study Manual for Exam MLC (12th Edition) by Abraham Weishaus

Prerequisites. Ma 255 (Mathematics of Compound Interest) amd Ma 351 (Theory of Probability)

Learning Outcomes.
- Students will be able to use appropriate mathematical models to quantify the major types of risks that actuaries must analyze;
- Students will be able to pass the Actuarial Exam MLC;
- Students will become independent learners who can successfully study for and pass actuarial exams.

Attendance. You are expected to attend all classes. Excessive amounts of absenteeism may result in a lower grade. If you do miss a class, it is your responsibility to obtain from a classmate any notes, assignments, handouts, or anything else you may have missed.

Calculator. The only calculators permitted in this course are the ones approved by the Society of Actuaries (SOA) in their catalog. SOA permits on their exams only the following calculators:

- the battery- or solar-powered Texas Instruments BA-35 model calculator,

- the BA II Plus, the BA II Plus Professional,

- the TI-30Xa or TI-30X II (IIS solar or IIB battery),

- the TI-30XS Multiview or the TI-30XB Multiview.

Candidates may use more than one of the approved calculators during an examination.
For this course you are welcome to use any and all of these calculators.

Homework. I will assign problems as we progress through the material. You should do these immediately after they are assigned. Homework will be discussed at the beginning of each class.

Quizzes. There will be seven quizzes, tentatively scheduled for Friday January 25, Monday February 4, Wednesday February 13, Monday March 11, Wednesday March 27, Friday April 12, and Friday April 26. Each quiz will consist of questions taken directly from the assigned homework and/or problems/examples worked out in class. The lowest quiz grade will be dropped.

Exams. There will be three exams in addition to the final, tentatively scheduled for Monday February 18, Friday March 15, and Wednesday April 17. Your comprehensive final exam is scheduled for Monday May 6, 7:30 - 10:30 a.m. The Life Contingencies segment of Exam M is scheduled for Thursday, May 9, 8:30 to 11:45 a.m.

Grading. 94-100 A; 90-93 A-; 87-89 B+; 83-86 B; 80-82 B-; 77-79 C+; 73-76 C; 70-72 C-; 67-69 D+; 63-66 D; 60-62 D-; below 60 F
Course grades will be calculated according to the following weighting:
Quizzes: 15%
In-Class Exams: 60% (16% for the lowest of the three exams, 22% each of the other two)
Final Exam: 25%

Academic Integrity. All work must be one's own and must comply with the Standards of Academic Integrity defined in the Elizabethtown College Catalog (see `http://catalog.etown.edu/` and then click on **Academic Policies** in the menu on the left, and then on **Academic Judicial System**).

Disability. Elizabethtown College welcomes otherwise qualified students with disabilities to participate in all of its courses, programs, services, and activities. If you have a documented disability and require accommodations to access course material, activities, or requirements, you must:

(1) Contact the Director of Disability Services, Lynne Davies, in the Center for Student Success, BSC 228, by phone (361-1227) or email daviesl@etown.edu.

(2) Make an appointment to meet with me, the instructor, during my office hours to discuss the academic accommodations specified by the office of Disability Services. Please make this appointment as early as possible so we have ample time to make the necessary accommodations and adjustments.