MA 458 ACTUARIAL MODELS - LIFE CONTINGENCIES (SPRING 2011)

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

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

E-mail. sanchisgr@etown.edu

Office Hours. W: 9:30 - 10:50 a.m.; M, T, Th: 1:00-2:30; ; and by appointment.

Textbook. ASM Study Manual for Exam MLC (10th 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.

Exams. There will be three exams in addition to the final, tentatively scheduled for Wednesday February 23, Wednesday March 23, and Monday April 18. Your comprehensive final exam is scheduled for Monday May 9, 7:30 - 10:30 a.m. The Life Contingencies segment of Exam M is scheduled for Wednesday, May 11, 8:30 to 11:30 a.m. The registration deadline is Friday, March 25.

Grading. Your final grade will be calculated in the following way:
30% of the grade come from your highest in-class test,
30% of the grade come from your second-highest in-class test,
15% of the grade come from your lowest in-class test,
25% of the grade come from the Final Exam.

    Course grades will be calculated according to the following weighting:
    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

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, 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) Meet with me, the instructor, within two weeks of receiving a copy of the accommodation letter from Disability Services to discuss your accommodation needs and their implementation.