

MA 262 FINANCIAL MATHEMATICS WITH EXCEL (SPRING 2013)

Time and Place. T, Th 2:00-3 p.m., E368

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. No textbook required.

Prerequisites. None

Course Description. In this course we will use Excel to study concepts and solve problems from financial mathematics. Topics will include: simple and compound interest, present and future value, discount rate, nominal rate, effective rate, force of interest, annuities, perpetuities, amortized loans, sinking funds, bonds, yield rate, and immunization.

Course Objectives.

- To use Excel to illustrate concepts and solve problems from financial mathematics.

Learning Outcomes. Students will be able to:

- Use basic features of Excel to solve a variety of problems in financial mathematics.
- Develop simple, user-friendly Excel applications.

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.

Assignments. There will be weekly assignments, mostly through the online homework delivery system WebWorK. You can access WebWorK from the Blackboard web site (or point your browser to <https://courses1.webwork.maa.org/webwork2/etown-ma262/>). To log in, use your network user id for your username, and your student id number for your password. You should change your password as soon as possible. The lowest homework grade will be dropped.

Final Exam. The comprehensive final examination is scheduled for Monday May 6, 11-2, in E368.

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**). More specifically, you are encouraged to collaborate on assignments, but you may not share your spreadsheets or place them in your public folders on the campus network.

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

The final exam is worth 25% of your grade; the weekly assignments are worth 75% of your grade.

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.