

Instructor: John Lindhe

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Office Hours: M, W, Th: 12-1, Tu: 2-3 or by appointment

Materials: 1. Calculus Concepts, Brief Edition: An Informal Approach to the Mathematics of Change by LaTorre, Kenelly, Fetta, Harris, Carpenter, Houghton Mifflin, Boston, 2002; and 2. a TI-83 or TI-83 Plus calculator, which should be brought to each class; and 3. many documents (supplementary problems, quiz and test review questions, etc.) that are posted on Blackboard.

Course Content: An introduction to some of the important mathematical concepts and tools (e.g., modeling, exponential and logistic functions) used to solve problems in business and economics. MTH U130 is a prerequisite for MTH U131 (Calculus for Business and Economics). Note that MTH U130 may not be used to satisfy the mathematics proficiency requirement of the College of Arts and Sciences.

Problem Sets: The course is organized around a series of problem sets, which are detailed later on in this document. I will keep you informed of when each problem set should be completed. The problem sets include problems from the textbook, from the document "Supplementary Problems", and review quizzes from the document "Review Quizzes". After the discussion of a review quiz is completed in class, a corresponding quiz will be given in the following class. A midterm review (the document "Midterm Review") will also be assigned as a problem set. After it is discussed, a midterm will follow.

Examinations: There will be a quiz (approximately 35 minutes) every week or two and a full period midterm. The final exam is a two hour examination. All students (without legitimate conflicts) will take the final exam at the scheduled time. The final exam is cumulative and is common for all sections of MTH U130. Do not make travel plans which conflict with the final exam.

Project: A project involving mathematical modeling is required. Instructions for this project can be found on the class website.

Grading: Your final course average is computed by adding the following quantities: 15% of the project grade, 30% of the weekly quiz average, 15% of the hour exam grade; and 40% of the final exam grade. It is the Mathematics Department policy that an I (Incomplete) grade is rarely given. It is intended to cover real emergency situations in which a student is doing satisfactory work (at least C minus) but is unable, due to circumstances beyond the student's control, to complete all course requirements (e.g., is unable to take the final exam due to hospitalization). An I grade may not be used to rescue a failing grade, or to postpone the final. The last day to drop a course without receiving a 'W' grade is September 29. The last date to drop a class with a 'W' grade is November 20.

Problems with your instructor: From time to time, students feel like they are not being treated fairly. Please do not hesitate to let your instructor know about your problems and concerns. If there is a conflict which you cannot resolve with your instructor, you can contact the course coordinator, Professor John Frampton (j.frampton@neu.edu).

Note that the syllabus above is tentative. The instructor reserves the right to make changes if necessary. **It is the responsibility of each student to stay abreast of what happens in the classroom, changes in the assigned exercises and changes in the dates of quizzes or exams.**