

## Mth U130 Business Math Spring 2005

**Instructor:** Shih-Wei Yang

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**Office Hours:**

**Text:** Latorre, Calculus Concepts, Brief 3rd Edition

**Packet:** There will be a packet at the Reprographics window in the basement of the Ell building (next to the book buyback office), but wait until I announce that it is ready before you go over.

**Calculator:** You **MUST** have a **TI-83** (or a TI-83 Plus, although we will not use any of the additional features.)

This course introduces some important mathematical concepts and tools (e.g. modeling revenue, cost and profit with functions) used to solve problems in business and economics. The course assumes familiarity with basic properties of linear, polynomial, exponential and logarithmic functions. Topics include: regression curves, solving equations involving functions, compound interest, amortization and other consumer finance models.

**Grades:** There will be **8 quizzes**, **1 test**, the **project**, and a cumulative **final**

**Quizzes: 30%**

**Midterm: 15%**

**Project (described in course packet): 15%**

**Final: 40%**

**Homework:** Assignments are given in the course schedule.

**Project:** The project is described in the packet.

**Attendance:** If you miss a class, you are responsible for learning any material you missed and for keeping informed about any announcements in class.

**Final:** The final will be cumulative. The date/time is Monday, April 18, at 3:30pm. You cannot take the final at a separate time unless you have a legitimate conflict, primarily another final scheduled at the same time or three finals on the same day. Early travel plans are not considered a legitimate conflict.

**Final:** The date of final may change and you should be prepared to be on campus until the last day of final's week. You will not be able to take the final at a separate time unless you have a legitimate conflict. (This would include having another final scheduled at the same time or three finals on the same day. It would **NOT** include early travel plans.)

**Tutoring:** There is a free math tutoring center at 102 Cahners Hall, it is at 110 The Fenway. Depending on tutor availability, you may be able to see a tutor right away, or you may have to make an appointment to come back later. Keep in mind that 1) students go to Cahners for help in a dozen different courses and the tutors are not meant to be experts in all of them, so the better prepared you are with a specific question, the better able the tutor will be able to help you; and not all tutors are familiar with the TI-83, so that if you have problems with the calculator, have someone help you before you go to Cahners.

If you have any concerns about the course or Instructor: You should first try to resolve it with your instructor. You can also speak with the Mathematics Vice-Chair, Prof. Don King (x5679, donking@neu.edu).

**Withdrawing:** The last day to drop a course without a W grade is January 21. The last day to drop a course with a W grade is March 25. A course drop after January 21 requires your instructor's signature on a drop form.

**Schedule :**

This is a tentative schedule. You are responsible for changes announced in class.

**Dates:**

**January 13. Quiz 1**

**January 27. Quiz 2**

**February 3. Project part J due.**

**February 10. Quiz 3.**

**February 17. Quiz 4.**

**February 24. Midterm.**

**March 10. Project part K due.**

**March 17. Quiz 5.**

**March 24. Quiz 6.**

**March 31. Quiz 7.**

**April 6. Project part L due.**

**April 7. Quiz 8.**

**April 18. Final.**