MATHEMATICS 1030: Introduction to Quantitative Reasoning

Fall 2010

General Information

- **Class meets**: Tuesday/Thursday 18:00–19:30.
- **Instructor**: Veronika Ertl.
  ertl@math.utah.edu
- **Office Hours**: TH 17:00–18:00.
- **Class web page**: http://www.math.utah.edu/∼ertl/Teaching/math1030/math1030.htm

Course Content and Structure

- **Textbook**: Using and Understanding Mathematics: A Quantative Reasoning Approach, by Jeffrey O. Bennett and William L. Briggs (fifth edition, custom version).
- **Prerequisites**: C or better in Math 1010 (Intermediate Algebra), or at least a score of 23 on the math portion of the ACT. This means that students should be able to manipulate variable expressions, work with simple linear equations and graphs, work with fractions and exponents, and know the basic properties of simple geometric shapes. (Note: Math 1030 does not satisfy a Math 1050 or Math 1090 prerequisite.)
- **Course**: Math 1030 is an application-based course centered around the use of mathematics to model changes in the real world, and the effective communication of these mathematical ideas. The course is based on Chapters 1-4, 8,9 and 10 (sec. A). Students are expected to read each section that we cover.
- **Homework**: Homeworkproblems are assigned for each section. Homework will not be collected, but it is strongly recommended that students do these problems.
- **Quizzes**: Approximately every two weeks there will be a quiz covering the material that we have done. The problems will be very similar to the text or examples that we have done in class or the assigned suggested homework problems. No make-up quizzes will be given, but the lowest two quiz grades will be dropped at the end of the semester.
- **Project**: Students will have one project to turn in. The project will be due 30$^{\text{th}}$ November 2010. The list of topics will appear on the course home page on 19$^{\text{th}}$ October 2010. All the necessary information will be given in class and online. Students will work in groups of four or five on a topic that the group selects. Late projects are not accepted.
- **Exams**: There will be two exams (50 minutes each).
- **Final Exam** (comprehensive/departmental): Friday, 17$^{\text{th}}$ December 2010, 15:30-17:30.
- **Calculators**: Students will need a calculator for this course. A scientific calculator will be sufficient.
- **Withdrawels**: Students may withdraw from the class without consulting anyone until 22$^{\text{nd}}$ October 2010 (Friday). If a student withdraws before 1$^{\text{st}}$ September 2010 (Wednesday) there will not be any tuition penalty.

Grading

- **Grading policy**: Your grade will be based on:

Quizzes	20 %
Project	20 %
Exams (2)	30 % (15 % each)
Final exam	30 %

- **Check your grades on**: webct.utah.edu

Exams

- **Location**: All exams take place in the usual clas room.
- **Dates**:
  - First Midterm: Thursday 7^{th} October 2010, 18:00-18:50.
  - Second Midterm: Thursday 2^{nd} December 2010, 18:00-18:50.
  - Final : Tuesday 14^{th} December 2010, 18:00-20:00.
- **Exam Policy**:
  - All exams are closed book.
  - Absence from an exam will be excused if and omly if the student can provide verifiable and convincing evidence that he/she has a significant illness or serious family crisis that will prevent him/her from attending. Except under extremely unusual circumstances, the student must inform the instructor in advance of the missed test. The student is exspected to promptly make arrangements with the instructor to make up the test.

Your Responsibilities

Check your university email regularly as important emails concerning exams or class might be sent there. Also check the class webpage regularly.

Guidelines for Success

- Come to class and take notes. This is very important for several reasons, the most obvious being that some part of the text might be left out and will therefore be non-examinable, so you want to have a solid basis for studying what will be in the exams.
- Discuss the course material with your fellow students, form study groups.
- Work regularly throughout term. Do not leave the homework for the night/hours before the deadline.
- Ask questions. Class is a good place for this.
- Be patient. Mathematics takes a while to sink in. Do many examples and eventually you will be successful.
- **Tutoring**: The Rushing Math Centre offers free drop-in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Centre is adjacent to the LCB and JWB. The hours for the Fall semester are: 8:00–20:00 Monday through Thursday and 8:00–18:00 on Friday. The tutoring center will open the second week of classes.

ADA Statement

The Americans with Disability Act requires that reasonable accomodations be provided for students with physical, cognitive, systemic learning and psychiatric disabilities. The student needs to have such a disability approved by the Disability Service Office (162 UNION, 581-5020) in order to have the accomodations provided. The instructor need to be informed about such a disability and approved accomodations at the beginning of the semester.