MATH 1030-7: Introduction to Quantitative Reasoning
Fall 2010

Instructor: Yuchen Zhang (yzhang@math.utah.edu)

Meeting Time: Monday, Wednesday and Friday, 11:50-12:40 am in Beh S 102

Office Hours: Monday and Friday, 9:30-10:30 am in JWB 221 or by appointment

Course Webpage: http://www.math.utah.edu/~yzhang/teaching/1030/1030.html


Prerequisite: Math 1010 (Intermediate Algebra) with C or better, or at least 23 on ACT (math), or at least 540 on SAT (math), or the appropriate score on MAth Placement Exam (given through the Testing Center-SSB 450). (Note: The Math 1030 course does NOT satisfy either a M1090, or a M1050-M1060 prerequisite for other courses.)

Course Description: Math 1030 is a non-traditional, application-based course centered around the use of mathematics to model change in the real world, and the effective communication of these mathematical ideas. The mathematics covered in the course includes: ratios, percents, averages, estimation, basic financial mathematics, linear and exponential models of growth, basic geometric measurements and scaling. The course material is based on Chapters 1-4, 8, 9 and Chapter 10(sec. A). Students are expected to read each section that we cover.

Homework: Homework problems are assigned for each section. Homework will not be collected, but it is strongly recommended that students do these problems. The list of homework will be posted on the course webpage.

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 November 29th 2010. The list of topics will appear on the course home page on October 18th 2010. All the necessary information will be given in class and online. Students will work in groups of three or four on a topic that the group selects. Late projects are not accepted.

Midterms: Students will have 2 closed book midterms (50 minutes each). Absence from an exam will be excused only 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 expected to promptly make arrangements with the instructor to make up the test.

Final Exam: The comprehensive and departmental final exam will be held on Friday, December 17th, 3:30-5:30 pm.

Grading Policy: Your grade will be based on:
- Quizzes 20%
- Project 20%
- Midterms 30% (15% each)
- Final exam 30%

Calculators: Students will need a calculator for this course. A scientific calculator will be sufficient.

ADA Statement: The Americans with Disability Act requires that reasonable accommodations 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 accommodations provided. The instructor need to be informed about such a disability and approved accommodations at the beginning of the semester.

Withdrawals: Students may withdraw from the class without consulting anyone until October 22nd 2010 (Friday). If a student withdraws before September 1st 2010 (Wednesday) there will not be any tuition penalty.

Tutoring: The Rushing Math Center offers free drop-in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Center is adjacent to the LCB and JWB. The hours for the Fall semester are: 8:00
am-8:00 pm Monday through Thursday and 8:00 am-6:00 pm on Friday.
The tutoring center will open the second week of classes.