

Math 1030-Section 9
Introduction to Quantitative Reasoning
T Th 3:40-5:00 p.m. in LCB 121
Spring 2007

Instructor: Lindsay Crowl
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Office Hours: TBA and by appointment.
Course Website: www.math.utah.edu/~crowl/1030/teaching.html

Course Description: 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 will cover chapters 1-4 and 8-10.

Prerequisites: C or better in Math 1010 (Intermediate Algebra), or at least 23 on your ACT (math). This means that you should be able to manipulate variable expressions, work with simple linear equations, graphs, fractions, exponents and know the basic properties of simple geometric shapes. ¹

Withdrawals: The last day to drop classes is January 17th. Students may withdraw from the class without consulting anyone until March 2nd.

Required Materials:

- Textbook: “Using and Understanding Mathematics: A Quantitative Reasoning Approach,” by Jeffrey Bennett and William Briggs (3rd Ed). This text is available at the University bookstore or online.
- Calculators: Students will need a calculator for this course. Be sure that the calculator you choose for this class has an e^x key and a “power” key (y^x). You should not have to spend more than \$20 on a calculator. A scientific calculator is sufficient and graphing calculators are discouraged.

Homework: Homework problems will be assigned for each section and due every Thursday. It will be collected on a random basis, which will be determined by a magic 8 ball. Please write clearly, show your work, and box your answers. No late homework will be accepted, however the lowest two homework scores will be dropped at the end of the semester. If the homework is not collected, you can opt to do a problem from the homework on the board for additional homework credit.

Quizzes: Approximately every two weeks (for a total of 7 quizzes) there will be a 20-30 minute quiz covering the material covered during lectures. The problems will be very similar

¹If your major is undeclared, you might want to consider taking 1050 or 1090 instead of 1030, since these can also fulfill the QA requirement and are prerequisites for further math courses.

to the text, examples done in class or the assigned homework. **No make up quizzes will be given**, but the lowest two quiz grades will be dropped at the end of the semester.

Exams: Two midterm exams will be given. Students must bring valid ID to the exam. Calculators are allowed on the exam. Absence from an exam will be excused only if a student can provide verifiable and convincing evidence that he/she have a significant illness or serious family crisis that will prevent him/her from attending **at least 48 hours in advance**.

Group Project: In order to develop the skill of communicating technical information, you will work in groups on a project and present your results in a written paper. This project will be due on the 13th week of class. Students will be given the list of topics approximately 9-10 weeks before the project is due, and they will work in groups of 2-3 on a topic that is selected from the list. More detail concerning the group projects will be given during the 3rd week of class.

Final Exam: Comprehensive/Departmental: Tuesday, May 1st 3:30 - 5:30p.m. Mark this date on your calendars ASAP.

Grading:

Your grade will be based on the following:

Homework	10%
Quizzes	10%
Project	20%
Exams (2x)	30% (15% each)
Final	30%

The grading scale for this course is:

	B+	86.1-89	C+	76.1-79	D+	66.1-69	
A	92.1-100	B	82.1-86	C	72.1-76	D	62.1-66
A-	89.1-92	B-	79.1-82	C-	69.1-72	D-	59.1-62

University Policy:

- Academic Honesty: Cheating will not be tolerated. No cell phones, pagers, etc. will be allowed during exams. In addition, please turn your cell phones on silent during class time.
- ADA Statement: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities. Students need to contact the instructor at the beginning of the semester to discuss any such accommodations that they may require for this course.

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 (bottom floor between the two buildings). The hours for the Spring semester are: 8am - 8pm Monday through Thursday and 8am - 6pm on Friday.

(Tentative) Course Schedule*:

Week of:	Tuesday	Thursday
Week 1: 01/08	Introduction Diagnostic Test	Review Diagnostic Test Begin Chapter 1C
Week 2: 01/15	Chapter 1C-D	Quiz A Explain Group Project
Week 3: 01/22	Quiz 1, Chapter 2A	Chapter 2B
Week 4: 01/29	Chapter 2C, Groups Formed	Quiz 2 Chapter 3A
Week 5: 02/05	Chapter 3B	Chapter 3C
Week 6: 02/12	Quiz 3 Midterm Review	Midterm 1
Week 7: 02/19	Midterm 1 Review Chapter 4A	Chapter 4A-B
Week 8: 02/26	Chapter 4B-C	Chapter 4D-E
Week 9: 03/05	Quiz 4 Chapter 8A	Chapter 8B
Week 10: 03/12	Chapter 8C Project Work Time	Chapter 8C-D
Week 11: 03/19	Spring Break	Spring Break
Week 12: 03/26	Chapter 9 Project Work Time	Chapter 9
Week 13: 04/02	Quiz 9, Chapter 9	Midterm 2
Week 14: 04/09	Midterm Questions Project Work Time	Projects Due
Week 15: 04/16	Chapter 10	Chapter 10
Week 15: 04/23	Quiz 10, Review	Review Day

*I reserve the right to change the schedule as needed. These changes will be posted on the course website.