

Math 1012: Quantitative Reasoning and Mathematical Skills

Section 007

Fall 2010

Where: DUAN G2B21
When: MWF 2:00-2:50pm

Instructor: Alex Nita
Office: Math 200
Email: alexander.nita@colorado.edu
Office Hours: Mon. 1-2pm, Thurs. 2-3pm

Text: *Using and Understanding Mathematics, A Quantitative Reasoning Approach, 5th Ed*, Jeffrey O. Bennett and William W. Briggs (2011).

Course Description: This course was designed to promote mathematical literacy among liberal arts students. This is not a traditional math class, but is designed to stimulate interest in and appreciation of mathematics and quantitative reasoning as valuable tools for comprehending the world in which we live. In the course, a student will see basic mathematics, logic, and problem solving in various contexts, such as science, technology, society, and higher level mathematics.

Grading:

Quizzes	15%
Projects	15%
Midterm 1	20%
Midterm 2	20%
Final	30%

Test and exam dates:

MIDTERM 1: Friday, September 24

MIDTERM 2: Friday, October 29

FINAL EXAM: Monday, December 13, 1:30-4:00pm

Makeups: *No makeup exams or quizzes will be given* without official documentation. Prior arrangements need to be made with the instructor for absences due to foreseeable circumstances, such as observation of a religious holiday.

The only other exception for altering the final exam time is in the case that this exam is your 3rd or later exam on that day. If this is the case, then please provide proof of your final exam schedule by October 1. This final exam is cumulative and must be taken in order to pass this class. Further, you must earn a passing grade on this exam in order to earn a grade of C- or better in the class.

Quizzes: Each Friday we will have a quiz on the topics covered that week, and as noted above these will count for a total of 15% of your grade. You may use *your own* notes during the quizzes, but no other books or photocopied material.

Projects: There will be 2 projects assigned throughout the semester. Each project will typically consist of a lengthy problem to solve along with a writing component in which you will explain or interpret the results. Late projects will lose 10 percentage points per weekday that they are late. Projects may be turned in early with no penalty.

Homework: Homework will be assigned daily, but will not be collected or graded. A copy of the *Students' Solutions Manual* has been placed on reserve in the Norlin Library. You can use these problems and solutions to assess yourself and seek further assistance for concepts which are not clear.

Calculator: A scientific calculator is required. A graphing calculator can be used, but is not necessary. Bring your calculator to each class, as it is an important tool for this course. If you are not familiar with all the functions of your calculator, please bring your calculator manual to class as well.

Attendance: Attendance will not be taken. You are responsible for being present to take quizzes and exams. As mentioned above, missed quizzes and exams will count as zeros if you do not have a documented excuse and did not make prior arrangements with me.

Extra Credit: There may be occasions at which extra credit is made available to the entire class, such as exams and quizzes. Extra credit will *not* be made available on an individual basis, so do not rely on it in hopes of improving your grade if you find yourself falling behind. Certainly do not rely on any extra credit in calculating your course grade.

Accommodations for disabilities: If you qualify for accommodations because of a disability, please submit a letter to me from Disability Services in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, or <http://www.colorado.edu/disabilityservices>. Religious observances: If you have any course-related conflicts due to religious obligations, please let me know as soon as possible so that accommodations can be made.

Miscellaneous University Rules and Regulations:

Honor Code: All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Additional information on the Honor Code can be found at

<http://www.colorado.edu/policies/honor.html>
<http://www.colorado.edu/academics/honorcode>

Classroom behavior policy: Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. Class rosters are provided to the instructor with the students legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at

<http://www.colorado.edu/policies/classbehavior.html>
<http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#studentcode>

Sexual harassment policy: The University of Colorado at Boulder policy on Discrimination and Harassment, the University of Colorado policy on Sexual Harassment and the University of Colorado policy on Amorous Relationships apply to all students, staff and faculty. Any student,

staff or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH, the above referenced policies and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at

<http://www.colorado.edu/odh>