

Math 1011: College Algebra Summer 2010, Term A

Where: ECCR 137
When: MTWRF 9:15am-10:50am
Course Website: <http://math.colorado.edu/~nita/collegealgebra10.html>

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

Text: *College Algebra Essentials, 2nd Ed.*, John W. Coburn.

Course Description: This course will introduce the basic tools of algebra: equations, inequalities, functions, graphs, polynomials, rational functions, the exponential and logarithmic functions, and systems of equations. We will learn not only how to explicitly *solve* equations and inequalities, but also how to *think* about the nature of the problems they raise. In this spirit we will develop the modern language and notation of functions. In doing so we will gain a much better understanding of what it means to "solve problems": we will learn to think of solutions as either functions or arguments of functions, and this will in turn enable us to better "see" problems graphically, particularly with the aid of computers. As a side benefit, in fact, we will learn to use technology, computers mainly, to help us with our tasks in algebra, be it explicit solutions to problems, approximation of solutions, or graphics.

Grading:

Homework 20%
Quizzes 15%
Workshops 15%
Midterm 25%
Final 25%

Homework: Homework will be assigned daily and will be due at the beginning of class the following day. Assignments are posted online on the course website. You are encouraged to work together on homework, although each student must submit an individual write-up. Late homework will not be accepted, but the lowest homework score will be dropped at the end of the course. Thus, only 20 of the 21 homework assignments will count towards your final grade.

Quizzes and Workshops: Each Wednesday we will have a workshop, and each Friday we will have a quiz, for a total of 4 workshops and 4 quizzes, and as noted above these will count for a total of 30% of your grade. The workshops will consist of more complicated problems from the week's material, and you will work on them together, in class, in small groups of three or four. The quizzes will also consist of the week's material, but will test your *individual* comprehension and problem-solving skills. No makeup quizzes or workshops will be given without official documentation.

Test and exam dates:

MIDTERM: Wednesday, June 16

FINAL EXAM: Friday, July 2

No makeup exams will be given without official documentation.

Attendance: Attendance will not be taken. You are responsible for turning in your homework each day at the beginning of class, as well as for being present to take quizzes, workshops and exams.

As mentioned above, late homework and missed quizzes, workshops and exams will count as zeros if you do not have a documented excuse. Since this course is so short, only one month, and since we meet for over an hour and a half each day, it is highly encouraged that you attend class every day. This will be an intensive course, and falling even one day behind may set you too far back to recover fully.

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>