

Math 3130: Linear Algebra Summer 2011, Term C

Where: MUEN D439
When: MTWRF 9:15am-10:15am
Course Website: <http://math.colorado.edu/~nita/linearalgebra11.html>

Instructor: Alex Nita
Office: Math 200
Email: alexander.nita@colorado.edu
Office Hours: Mon. 10:30-11:30a.m., Wed 10:30-11:30a.m.

Required Text: *Linear Algebra With Applications*, 2nd Ed., Otto Bretscher.
Supplementary Texts: *Linear Algebra*, 4th Ed., Friedberg, Insel and Spense.
Advanced Linear Algebra, 3rd Ed., Steven Roman.
Elements of Advanced Mathematics, 2nd Ed., Steven Krantz.

Course Description: This course will examine the basic properties of systems of linear equations, vector spaces, linear independence, dimension, linear transformations, matrices, determinants, eigenvalues, and eigenvectors. Time permitting, we will also explore bilinear functions, quadratic forms and symmetric matrices.

Grading:

Homework 40%
Quizzes 20%
Midterm 20%
Final 20%

Homework: There will be one homework assignment per week, due at the beginning of class each Friday. Assignments are announced in class and also posted online on the course website. You are encouraged to work together on homework, although each student must submit an individual write-up. To get credit, you *must show your work*. Note also: *Late homework will not be accepted* without a doctor's note or other legitimate excuse, unless prior arrangements have been made with me.

Quizzes: We will have approximately two quizzes per week, which will consist of the week's material. No makeup quizzes will be given without official documentation or prior arrangement with me.

Test and exam dates:

MIDTERM: Monday, June 27
FINAL EXAM: Friday, July 22

No makeup exams will be given without official documentation.

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>