AMS 210: Applied Linear Algebra (Winter 2013, Section 1)

Instructor: Loretta Au
Office Hours: (Math Tower 3-129) Tues. 2:00 PM – 3:00 PM, Thurs. 2:00 PM – 3:00 PM, and also by appointment
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Teaching Assistant: Garam Choi
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Lectures: (Physics P-112) Tues., Wed., Thurs., and Fri., 9:30 AM – 12:55 PM
Textbook: Introduction to Linear Algebra: Models, Methods, and Theory (5th ed.), by Alan Tucker.
Blackboard: https://blackboard.stonybrook.edu/

Exam Day Date
Midterm 1 1 Friday January 11, 2013 (9:30 AM – 10:50 AM)
Midterm 2 1 Friday January 18, 2013 (9:30 AM – 10:50 AM)
Final Exam 2 Friday January 25, 2013 (10:30 AM – 12:55 PM)

1 Lecture will continue shortly after exam. 2 Open forum before exam at 9:30 AM.

Course Description. An introduction to the theory and use of vectors and matrices. Matrix theory including systems of linear equations; theory of Euclidean and abstract vector spaces; eigenvectors and eigenvalues; linear transformations. May not be taken for credit in addition to MAT 211.

Pre-/Co-requisites: AMS 151 or MAT 131 or 141 or corequisite MAT 126.

Grading. Your final grade for the course will be based on the maximum of either
(a) 10% homework, 25% midterm 1, 25% midterm 2 and 40% final exam or
(b) 10% homework, 10% midterm 1, 10% midterm 2 and 70% final exam.
In each case, the homework assignment with the lowest grade will be dropped before computing your final grade.

Homework and Exams. Homework assignments are given twice a week and typically due on Tuesdays and Thursdays by the end of lecture, unless otherwise noted. Students are encouraged to discuss problems together, but each student must hand in their own original work; please remember to include your full name and SBU ID number on all assignments. Anything that is illegible or disorganized will be marked as incorrect, so please be neat. Late assignments will not be accepted. If there is an emergency that may prevent you from meeting a homework deadline, please contact me as soon as possible and a homework extension may be granted.

All exams in this course will be closed book, and no calculators are allowed; important tables or formulae will be provided when necessary. There will be no makeup exams for midterm or final exams.

Disability Policy. If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Academic Integrity Policy. Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person’s work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Science Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

Critical Incident Management. Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students’ ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.