

Letao Zhang

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MAT 211 Introduction to Linear Algebra, Spring 2015

-- This course will focus mainly on computations (rather than on mathematical proofs). Some of the topics we will cover are: vectors in n -space; matrices and the algebra of matrices; abstract vector spaces and subspaces; linear transformations and operators – and their kernels and images; basis for a vector space and dimension; eigenvalues and eigenvectors; diagonalization of linear operators.

General Information

- **Class schedule:** TTh 4:00PM-5:20PM, Library W4535, Spring 2015
- **Textbook:** *Linear Algebra with Applications* by Otto Bretscher, Fifth Edition, Pearson, 2012.
Note that a textbook is not required. However, I would recommend you having access to any introductory level linear algebra book, which you find definitions & theorems systematically, work more problems and have something to consult when you get confused.
- **Office Hour:** TTh 12:30pm-1:30pm
- **Grader :** Yan Liang: yan.liang@stonybrook.edu
- **Math Learning Center:** Math Learning Center, in Math Tower S-240A, is there for you to get help

Grades, Homeworks and Exams

- **Grading Policy**
Homework = 10%
Midterm Exam 1 = 25%
Midterm Exam 2 = 25%
Final Exam = 40%
Your final letter grade will be curved following the performance of the whole class.
- **Homeworks**
 - Please find each set of homework under "Course Schedule and Homework Sets"
 - Homework will be assigned every Thursday and collected the following Tuesday in class.
 - Homework counts 10% of your total scores.
 - No late homework will be accepted and the lowest 3 homework grades will be dropped.
- **Exams**
 - Make sure that you can attend the exams at the scheduled times.
 - Make-ups will not be given.
 - If one midterm exam is missed because of a serious (documented) illness or emergency, the semester grade will be determined based on the balance of the work in the course.
 - Exam Arrangements

What	When	Where	% of Final Grade
Midterm 1	March 12 2015 In Class	Library W4535	25%
Midterm 2	Tentative April 14 2015, In Class	Library W4535	25%
Final Exam	May 18 2015 2:15pm-5:00pm	Library W4535	40%

Course Schedule and Homework Sets

- The course schedule is tentative
- We will post course notes after each lecture

Course Schedule, Notes and Homeworks

Disability Support Services (DSS) Statement

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. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website

<http://www.stonybrook.edu/ehs/fire/disabilities>

Academic Integrity Statement

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 Sciences 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/commcms/academic_integrity/index.html

Critical Incident Management Statement

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.

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Schedule Notes and Homeworks

You can not learn linear Algebra without working problems. Expect to spend at least 8 hours a week solving problems; do all of the assigned problems, as well as additional ones to study. If you do not understand how to do something, get help from your grader, your lecturer, math learning center, or your classmates. You are strongly encouraged to study with and discuss problems with others from the class, but write up your own homework by yourself, and make sure you understand how to do the problems.

