Course Instructor.

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Office: 4-119
Office hours: Tuesday 1:30-2:30, Thursday 2:30-3:30
Math Learning Center: Thursday 5:30-6:30

Textbook. Linear Algebra (5th edition) by Otto Bretscher

Course Website. All the information about the course will be posted on Blackboard (https://blackboard.stonybrook.edu/).

Marking Scheme. Your final grade will be determined as follows:

Homework	20%
Midterm 1	20%
Midterm 2	20%
Exam	40%

Midterms. There will be two midterms in this course. They will be held <u>in-class.</u>

	Date	Time
Midterm 1	Tuesday, March 2	4:00 PM to 5:20 PM
Midterm 2	Tuesday, April 7	4:00 PM to 5:20 PM

Exam: May 13, 8:00 AM to 10:45 AM.

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 in-tegrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academicintegrity/index.html.

Tentative   Week of Jan 27: 1.1, 1.2;
Schedule   Week of Feb 3: 1.3, 2.1;
               Week of Feb 10: 2.2, 2.3;
               Week of Feb 17: 2.4, 3.1;
               Week of Feb 24: 3.2 3.3;
               Week of Mar 2: 3.4, 4.1;
               Week of Mar 9: 4.2 4.3;
               Week of Mar 16: Spring break;
               Week of Mar 23: 5.1, 5.2, 5.3;
               Week of Mar 30: 5.4, 5.5;
               Week of Apr 6: 6.1, 6.2;
               Week of Apr 13: 6.3, 7.1;
               Week of Apr 20: 7.2, 7.3;
               Week of Apr 27: Review;
               Week of May 4: Review.

Major Topics   Systems of Linear Equations
               Gauss Elimination and Row Echelon Form
               Vectors and Matrices
               Linear Transformations
               Matrix Multiplication, Inverse Matrices
               Image and Kernel of a Linear Transformation
               Subspaces of R^n
               Linear Independence, Basis, and Dimension
               Coordinates
               Inner Product Spaces
               Projections
               Orthonormal Bases and Gram-Schmidt Orthogonalization
               Orthogonal Transformations Nad Matrices
               Determinants
               Eigenvalues and Eigenvectors
               Diagonalization