

<b>Instructor</b>	Keven Calderon
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<b>Grader</b>	Brennan Williams Brennan.Williams@stonybrook.edu, MLC Hours
<b>Time and Place</b>	Lecture 01: Tuesdays and Thursdays, 4:00 PM - 5:20 PM, Physics P113. Lecture 02: Tuesdays and Thursdays, 1:00 PM - 2:20 PM, Earth & Space 069.
<b>Office Hours</b>	Wednesdays 11:00 AM - 12:00 PM, ONLINE Thursdays 2:30 PM - 3:30 PM, Math Tower 4-105 Tuesdays 2:30 PM - 3:30 PM, Math Tower S-235 (MLC)
<b>Course Description</b>	Introduction to the theory of linear algebra with some applications; vectors, vector spaces, bases and dimension, applications to geometry, linear transformations and rank, eigenvalues and eigenvectors, determinants and inner products. May not be taken for credit in addition to AMS 210.
<b>Textbook</b>	Introduction to Linear Algebra, Gilbert Strang (Fifth edition). ISBN: 978-09802327-7-6
<b>Prerequisites</b>	C or higher in AMS 151 or MAT 131 or 141 or coregistration in MAT 126 or level 7 on the mathematics placement examination.
<b>Attendance</b>	Strongly encouraged, but not mandatory; however, early departures are not appreciated.
<b>Homework</b>	Homework will be assigned on a weekly basis on <i>Gradescope</i> . Please create an account ( <i>with your Stony Brook email</i> ) and use the entry code <b>2PVEDN</b> to enroll in the course. Collaboration is encouraged but you must submit your own solutions. All homeworks will be due on <b>Fridays by 11:59 PM</b> . <i>Late submissions will not be accepted; however, two lowest scores will be dropped.</i>
<b>Exams</b>	There will be <b>two</b> exams and a <b>cumulative final exam</b> . Dates shown below.

Exam	Date	Time	Location
Exam 1	Thurs. Feb. 22	IN-CLASS	IN-CLASS
Exam 2	Thurs. Apr. 4	IN-CLASS	IN-CLASS
Final	Wed. May 8th	11:15 AM-1:45 PM	TBD

**Grading Policy** Your total score will be computed as follows:

<b>Exam 1</b>	25%
<b>Exam 2</b>	25%
<b>Homework</b>	15%
<b>Final Exam</b>	35%

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100%

**Make up Policy** There will be no make-up exams for any student. If a student miss an exam in the event of an unforeseeable, unpreventable, extraordinary circumstances, with proper documentation, then the grade distribution will be discussed in private and will be handled on a case-by-case basis. The student **MUST** contact the professor *prior or immediately after* the exam has been administered. Failure to do so will result of a grade of **ZERO** on the exam. This policy can only be applied for one exam and cannot be applied for the final exam! Missing the final exam may result in an **F** grade!

## Tentative Schedule

Week	Dates	Sections
1	Jan.23,25	1.1, 1.2, 1.3, 2.1
2	Jan. 30, Feb. 1	2.2, 2.3
3	Feb. 6,8	2.4, 2.5
4	Feb.13,27	2.6, 2.7
5	Feb. 20, 22	Review, Exam 1
6	Feb. 27,29	3.1, 3.2
7	Mar. 5,7	3.3, 3.4
8	Mar. 12,14	Spring Break
9	Mar. 19,21	3.5, 4.1
10	Mar. 26, 28	4.2, 4.3*,4.4
11	Apr. 2, 4	Review, Exam 2
12	Apr. 9, 11	5.1,5.3
13	Apr. 16,18	6.1, 6.2
14	Apr. 23, 25	8.1,8.2
15	Apr. 30, May 2	REVIEW
16	May 8	Final

*\*If time permits.*

**Academic Integrity** Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another persons work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology and 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/academicintegrity/index.html>

**Student Accessibility** If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, Stony Brook Union Suite 107, (631) 632-6748, or at [sasc@stonybrook.edu](mailto:sasc@stonybrook.edu). They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

**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 Student Conduct and Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students ability to learn.

**Help** You are encouraged to go to tutoring in the Math Learning Center (Math Tower S-235) or other locations and come to office hours. Best way to communicate with me is by in-person or by e-mail, with a response within 1-2 business days.

**Syllabus Revision** The standards and requirements in this syllabus may be modified at any time by the course instructor. Notice of such changes will be announced in class and changes to this syllabus will be posted on Brightspace.

**Have a great semester!**