

**MTHSC 853, Linear Algebra**  
**Spring Semester 2011**  
**MWF 12:20–1:10 Martin E005**

**General information**

Instructor: Dr. Matthew Macauley  
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Office hours: (subject to change!) MWF 9:00–10:00 and by appointment  
Text: *Linear Algebra and its Applications*, by Peter Lax (required),  
*Matrices and Linear Transformations*, by Charles G. Cullen (recommended),  
*Theory of Matrices*, by Sam Perlis (recommended).  
Web: I will post course material on my website.

**Objectives**

This course will be a comprehensive survey of linear algebra at the graduate level. The goals are two-fold – to prepare you for the linear algebra part of the prelim, and to build up a solid linear algebra foundation necessary for your other classes and your research.

**Grading**

Final grades will be determined by the following rubrik:

Homework	20%
Midterm 1	20%
Midterm 2	20%
Final exam	40%

- ▶ Make-up exams will be given ONLY with an official written excuse in advance, and will not necessarily be the same as the regular exam.
- ▶ If you get an A on the final exam, then you get an A in the course.

Homework assignments will accumulate from lecture to lecture and will be due roughly once a week. I will post the problems on my website. Late homework will *not* be accepted.

**Attendance**

Attendance on test days is mandatory. Class attendance at other times is not mandatory, but is strongly recommended. Students may leave after 10 minutes if the professor or a guest lecturer does not arrive in that time.

## **Laptops, cell phones, PDAs**

All use of cell phones, and typing on laptops is prohibited during lecture. Calculators, cell phones, laptops, and PDAs will not allowed during exams.

## **Academic integrity**

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form."