

## MATH 317H, HONORS LINEAR ALGEBRA – FALL 2015

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**Teaching Assistant:** Thomas Gannon

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**Lecture:** MWF 12:40 - 1:30 in 312 Ernst Bessey Hall

**Problem Session:** Th 12:40 - 2:00 in A108 Wells Hall

**Textbook:** Triel, *Linear Algebra Done Wrong*

Available here: <http://www.math.brown.edu/~treil/papers/LADW/book.pdf>

Most of the first five chapters of the textbook will be covered, as well as additional topics. You will be expected to read the sections of the text covering the lecture topics, and you will also be responsible for any material covered by the lectures or supplemental handouts. I recommend reading the textbook material *before attending* the class which covers it.

**Course Objectives:** This honors linear algebra course has two main goals. Students will learn the basics of linear algebra, and also develop skills in reading mathematics and writing proofs.

**Homework:** Assignments will be announced in class and posted on the Desire2Learn course page. You are encouraged to talk with your classmates about the assignments, but each student must submit his or her own solutions. Assignments will be due most weeks, usually on Friday at the beginning of class.

**In-Class Exams:** There will be two in-class exams, administered during the Thursday problem sessions. The tentative exam dates are **October 1st** and **November 5th**

**Final Exam:** There will be a comprehensive final exam at the end of the semester. The final exam is tentatively scheduled for **Thursday, December 17th, 12:45-2:45pm**. There is chance that this date will move, most likely to **Tuesday, December 15th, 10:00am-12:00pm**. The date will be finalized early in the semester.

**Academic Honesty:** Cheating will not be tolerated. Students who cheat may receive a 0.0 on the assignment or fail the course. This includes plagiarism and copying another's work.

**Course Webpage:** The course page on Desire2Learn (<https://d2l.msu.edu/>) will contain course announcements, written assignments, and supplementary materials.

**Grading Components:**

Homework	40%
Exam 1	15%
Exam 2	15%
Final Exam	30 %

**Make-up Policy:** If you are unable to take a scheduled exam due to serious illness or other emergency you must contact the instructor within 24 hours of the scheduled exam. Arrangements for known events such as university-sanctioned travel or religious holidays must be made in the first two weeks of classes.

**Important Dates:**

09/02 - Classes Begin

09/07 - Labor Day - University closed.

09/09 - Online open add period for fall semester ends at 8pm.

09/10 - 09/16 - Students go to Undergraduate office, C212 Wells Hall for Math enrollment changes.  
(Late adds, drop to lower course, section changes)

09/28 - End of 100% Tuition Refund

10/21 - Middle of Semester. Last day to drop a course without a grade being reported.

11/26-11/27 - Thanksgiving Break

12/11 - Last day of classes.

**Note:** This is an honors Linear Algebra class with emphasis on theory, i.e. understanding mathematical concepts and writing proofs. It also covers more material than MTH 309, the regular Linear Algebra class. This class will likely be quite different than what you are used to. There are many resources available to help you: office hours, problem sessions, help room. I want you all to be successful! However, if you come to the realization that this class is not for you I encourage you to talk to me within the first month of the semester so that you can be placed in a different class.