SYLLABUS
FALL 2013

MATH 4377 • Advanced Linear Algebra I
Fall 2013 • University of Houston
Lecture: Lamar Fleming Jr. Room F154; Tu/Th 11:30am-1:00pm

Instructor: Prof. Zachary Kilpatrick
Email: zpkilpat@math.uh.edu
Office: Phillip G. Hoffman Hall (PGH) 671
Office Hours: Tu/Th 10:15am-11:15am, or by appointment
Website: http://www.math.uh.edu/~zpkilpat/teaching/math4377/math4377.html

Contacting me: The best way is to email me with the subject line “MATH 4377.” I will try to get in touch with you within a day. Lengthy conversations should not be done via email and are better left to my office hours.


Prerequisites: MATH 2331 and at least 3 semester hours of 3000-level math courses.

Course: This course explores a variety of concepts in linear algebra. In particular, we will study vector spaces and linear transformations, matrices, determinants, matrix inequalities, linear mappings, linear systems, and applications like kinematics.

Homework: Problems will be assigned every week on the website. Write out all of the steps of your solutions. Hand in completed homework AT THE BEGINNING OF LECTURE each Thursday (except for the first week). Late homework will NOT be accepted.

Exams: Two midterms and a final are given in class during the semester. Written exam problems will be based on material from lecture, homework, and textbook. Dates for exams are Oct. 3 (Exam 1); Nov. 7 (Exam 2); Dec. 17 (Final). No make-up exams will be given.

Final Exam: The final is in F154 (usual classroom) 11am-2pm on Tuesday December 17.
Grading: Your final grade is based on the following:
   Class participation: 5%
   Homework: 25%
   Exam 1: 20%
   Exam 2: 20%
   Final: 30%

Academic Integrity: Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Houston Policy on Academic Honesty will incur a minimum sanction of a score of zero for the assignment or exam in question. Additional sanctions may be imposed, depending on the severity of the infraction. More information is available at http://www.uh.edu/academics/catalog/policies/academ-reg/academic-honesty/.

Students with Disabilities: If you have a disability that requires special testing accommodations or other classroom modifications, you need to notify both the instructor and the Center for Students with Disabilities by the end of the first week of the term. You may be asked to provide documentation of your disability to determine the appropriateness of accommodations. For more information see their website: http://www.uh.edu/csd/

Class Philosophy: In my experience, math is best learned through rigorous practice. If you have any trouble with any of the concepts or problems encountered in the course, do not hesitate to come talk to me. Since ideas will build on each other throughout the semester, it is best to seek help as soon as possible. I will do my best to help you learn and enjoy the material. The more effort you put into the class, the more you will learn, and the more you will enjoy it.