Math 257: Honors Matrix Algebra I  
Spring 2016  
12:20- 1:10 MWF in Ayres 124

Instructor: Dr. David White  
Office: Ayres Hall 248  
E-mail: dwhite43@utk.edu  
Office hours: 1:10-2:30 MW, or by appointment

Course Description: First course in the algebra of simultaneous linear equations and matrices. Includes Gaussian elimination, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors.

Prerequisites: Math 142 or 148.


Homework & Quizzes: Homework and reading will be assigned most class periods. Assignments will be posted on the class web page. Most homework will not be collected, but doing the homework is essential to learning the material. Quizzes will be given consisting of problems taken directly from the homework. Quizzes will be at the beginning of class each Friday. In addition to regular homework problems, we will have two or three longer homeworks to be done in groups. These will be collected and count as part of the homework grade. Dates of these assignments will be announced in class.

Tests: There will be three tests during the semester and a cumulative final exam. The dates of tests and of the final exam are listed below.

Attendance & Participation: Students are expected to attend each class and are responsible for all material covered. Class participation includes demonstrating that you have read appropriate portions of the text and have the ability to recall concepts quickly, asking good questions in class, answering questions that I present during class, and being prepared to present homework problems in class.

Grades: Homework and quizzes will comprise 20% of your grade, each exam 20%, and the final exam 20%. Cut-offs for grades of A, B, C, and D will be 90%, 80%, 70%, and 60%, respectively. Pluses and minuses will be given at the discretion of the instructor.

Important Dates:

February 12  Exam 1  
March 11  Exam 2  
March 14–18  Spring Break (no class)  
April 15  Exam 3  
Monday, April 9, 12:30–2:30  Final Exam
**Working with Others:** You are encouraged to work together on homework assignments, but you are expected to write up solutions on your own, using your own words. In working in a group setting, please make sure that each person is contributing to the discussion. The instructor reserves the right to require an oral defense of any work turned in.

**Academic Standards of Conduct:** All students are expected to abide by the University Honor Statement:

*An essential feature of the University of Tennessee, Knoxville, is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the university, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity.*

**Disability Services:** Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Office of Disability Services at 865-974-6087 in 2227 Dunford Hall to coordinate reasonable accommodations for students with documented disabilities.