

Course: Math 257, MWF 12:20-1:10, Ayres 111

Course Description: The purpose of this course is to master matrix algebra and elementary linear algebra. We will cover systems of linear equations, Gaussian elimination, determinants, vector spaces, orthogonality, linear transformations, eigenvalues, and eigenvectors.

Instructor: Prof. Dustin Cartwright

Office Hours: Mon 1:15-2:15, Tue 10:30-11:30

Office Location: Ayres 212

Email: cartwright@utk.edu

Text: *Elementary Linear Algebra* by Howard Anton, 11th edition

Calculator Policy: Calculators are not needed and no calculators or other electronic devices are allowed during exams.

Attendance and Classroom Expectations: I expect you to attend every lecture, pay attention, and participate in discussions. During lectures, you should not be using your laptop, cell phone, or any other electronic devices.

Grades:

- 5% homework completion
- 15% weekly quizzes
- 5% participation
- 15% each of 3 midterms
- 30% final

Homework: Homework is due at the beginning of class each Wednesday. Assignments will be posted on Canvas at least a week in advance.

No late homework is accepted, but I will drop the lowest homework score. If you complete your homework by the due date, but circumstances prevent you from turning it in in person, you may give it to a friend or email me a scanned (not photographed) copy by the beginning of class.

Your homework will be graded on completing each homework assignment

You are *encouraged* to discuss your homework with other people in class. However, you must write up your own solutions and you must acknowledge your collaborators or any other sources used beyond the standard course resources.

Quizzes: Each Wednesday will begin with an in-class quiz. This quiz will consist of 1 or 2 problems, each very similar to a problem from the homework. The lowest two quiz scores will be dropped from your grade.

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Midterms: Three in-class midterms. Make-up exams will only be given with a valid, documented excuse, such as a medical emergency, which should be communicated to me as soon as possible.

- Friday, Feb. 10
- Friday, Mar. 10
- Monday, Apr. 10

Final: Monday May 8, 12:30pm-2:30pm

Grading scale: Each component of your course grade will have a separate grading scale, to be decided after the component is finalized, i.e. the exam is graded, all homework turned in, etc. The cut-offs for the course grading scale will be determined by averaging together the component grading scales according to same proportions as your grades.

Campus Syllabus (includes Disability Services info)