

Instructor: Dr. Brian Heck
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Office Hours: 12:00-2:00 M; 11:00-3:00 W; 9:00-12:00 T, TH

Prerequisites: Math 360

Required Text: Linear Algebra with Applications (5th ed.) by Leon (Prentice Hall)

Course Description (catalog): Vector spaces and transformations, eigensystems, quadratic forms.

Course Description (instructor): Chapter 3 and Chapter 4 cover vector spaces and linear transformations. This should be review material primarily, so we will cover it quickly...but we will cover it. Chapter 5 introduces orthogonality. This is probably less familiar to most students (than Chapters 3 and 4) so we will begin to slow down here. However, the most important material is still to come. The most important material in our course is in Chapter 6 (Eigensystems). We will finish with selected topics from Chapter 7 and other sources.

Course Objectives: To learn how to apply the methods learned in linear algebra (as well as more advanced techniques) to a wide variety of applications in business and industry.

Grading Policy: Problem Sets 50%; Midterm Exam 25%; Final Exam 25%

Attendance: I will not include attendance as part of your course grade. I am not your mother or your parole officer, and this is not high school. I do, however, expect you to attend class everyday. You are responsible for any and all material covered in class.

Important Dates:

Final Date to Add Courses or Drop Without a "W" - Wednesday, August 29

Final Date to Drop Courses With a "W" - Monday, October 29