Linear Algebra and Matrix Theory
MWF 8am or 9:05am, Martin Hall M102

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Office Hours. Tuesdays 10–12 and Wednesdays 11–1.

Goal. To learn the theory of linear algebra and the methods of matrix analysis and to solve related problems.

Content.
- systems of linear equations
- matrices; determinants
- vector spaces; linear transformations
- eigenvalues and eigenvectors; orthogonality

Grade. Your final Numerical mark will be determined by:
- Three Tests: totaling 40%
- Assignments: 15% (One will be dropped)
- Quizzes: 15% (One will be dropped)
- Final cumulative exam: 30%
The cut-off will be 90 for an A, 80 for a B, and 68 for a C.

Tests. Friday 20 September, Monday 21 October, and Wednesday 20 November. Cumulative final is Thurs 12 Dec at 11:30 (8am class) or Fri 13 Dec at 8am (9:05am class)

Assignments. About 10 assignments. Can work in pairs.

Quizzes. These will average about once a week.

Notes/Text. Recommended/suggested (but not prescribed) book is: Lay et al., Linear algebra and its applications, 5th edition. Most handouts will be archived at people.cs.clemson.edu/~goddard/handouts/math3110.

For more rules and regulations, see reverse. In particular, note academic honesty policy.