Instructor: Prof. D.W. Schwendeman (AM 422, x2647, schwed@rpi.edu)
Office Hours: Wednesdays and Fridays 1:30 – 2:30 (or by appointment)
Web site: http://eaton.math.rpi.edu/Faculty/Schwendeman/home.html
Text: *Numerical Linear Algebra*, by L.N. Trefethen and D. Bau

**Tentative Outline**

1. Introduction
2. QR Factorization and Least Squares
3. Conditioning and Stability
4. Systems of Equations
5. Eigenvalue Problems
6. Iterative Methods
7. Applications and Special Topics

**Text Reading**

TB I
TB II
TB III
TB IV
TB V
TB VI

**Grading**

Homework (pencil&paper, computing problems) 33% of course grade
Midterm and Final 67% of course grade