

## Numerical Linear Algebra

MA 660-3A, Spring 2008

Class meets Mondays and Wednesdays 4:00pm-5:15pm in Room EB 147 (unless we find a vacant room in Campbell Hall...)

**Instructor:** Dr. Nikolai Chernov

**Office:** 492 A Campbell Hall, ph. 934-2154 or 934-8613

**Office hours:** Mondays and Fridays, 11am-noon, and by appointment

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**Text:** L. Trefethen and D. Bau, III *Numerical Linear Algebra*, SIAM, 1997. Classnotes, in PDF, are available on the instructor's web page

<http://www.math.uab.edu/~chernov/teaching/teach.html>

**Syllabus:** We will cover most of the textbook and all of the classnotes. See a detailed syllabus on the departmental web page

[http://www.math.uab.edu/programs/ms\\_syllabi/](http://www.math.uab.edu/programs/ms_syllabi/)

### Grading policy:

Weekly homework assignments	20 %
Computer projects	10 %
Midterm exam (March 5, tentative)	30 %
Final exam (April 28, 4:15-6:45)	40 %

**Assignments and tests:** Homework will be assigned weekly on Mondays, unless announced otherwise. HW will be due the next Monday after assignment. Half credit is given for one-week late homework and no credit if it is over a week late. Computer projects must be done in MATLAB, and you can do them in the mathematics computing lab that will be soon set up in the HH building. Projects will be given from time to time, and will be due one week before the final exam. Projects must be submitted in a “presentable” form. Include a print-out of the MATLAB code, a print-out of the computer output (including clear readable graphics if necessary), and a one-page report (hand-written or typed on a computer).

*Welcome to MA 660 and best of luck to you all.*