# Numerical Linear Algebra
## MA 660-3A, Spring 2010

Class meets Mondays and Wednesdays 4:00pm-5:15pm in Seminar Room 402

**Instructor:** Dr. Nikolai Chernov
**Office:** 492 A Campbell Hall, ph. 934-2154 or 934-8613
**Office hours:** Tuesdays and Thursdays, 9:30-10:30
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**Text:** L. Trefethen and D. Bau, III *Numerical Linear Algebra*, SIAM, 1997.
The book is only needed for computer projects; you need not buy it.
Classnotes, in PDF, are available on the instructor's web page:
http://www.math.uab.edu/~chernov/teaching/teach.html

**Syllabus:** We will cover all of the classnotes. See a detailed syllabus on the departmental web page
http://www.math.uab.edu/programs/ms_ syllabi/

**Grading policy:**

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| Weekly homework assignments | 30 % |
| Computer projects | 10 % |
| Midterm exam (March 5, tentative) | 30 % |
| Final exam (May 3, tentative) | 30 % |

**Assignments and tests:** Homework will be assigned weekly on Mondays, unless announced otherwise. HW will be due the next Monday after assignment. Partial credit will be given for late homework. Computer projects must be done in MATLAB, and you can do them in the MLL 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.*