

Numerical Linear Algebra

MA 660-1F, Spring 2012

Class meets Mondays, Wednesdays, Fridays 1:25pm-2:15pm in Room BEC 117

Instructor: Dr. Nikolai Chernov

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Office hours: Mondays, Wednesdays, Fridays 2:30-3:10, walk-ins are welcome

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Text: L. Trefethen and D. Bau, III *Numerical Linear Algebra*, SIAM, 1997.

The book is good explaining the class material.

The book will be needed for computer projects.

Classnotes, in PDF, are available from 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.uab.edu/mathematics/masters-program/typical-curriculum>

Grading policy:

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

Assignments and tests: Homework will be assigned weekly on Mondays, unless announced otherwise. HW will be due the next Monday after assignment. It is important to do homework problems as some of them constitute part of the proofs of major theorems. Partial credit will be given for late homework. Computer projects must be done in MATLAB, and you can do them on departmental computers or in the MLL in the HH building. The list of projects is on the instructor's web page. Projects must be submitted in a "presentable" form. Include a print-out of the MATLAB code, printed computer output (with clear readable graphs or figures if necessary), and a one-page report (hand-written or printed). Projects can be resubmitted until you get full credit. The deadline for last resubmission is the final exam.

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