CS-3414 (CRN: 12607) and MATH-3414 (CRN: 15509)
Numerical Methods

Essential information.

Instructor Dr. Adrian Sandu
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- Office 2242 KnowledgeWorks II
- Office hours By appointment

Teaching Assistant Mr. Mahesh Narayananurthi
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Teaching Assistant Mr. Arash Sarshar
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- Office hours Mondays 4:30pm–5:30pm

Lecture Tu-Th, 11:00AM–12:15PM, WLH 330
Final exam (11T) 10:05AM–12:05PM, May 05, 2017
Prerequisites CS-1044, MATH-2214, MATH-2224

Textbook.


Additional material.


About the course.

This class will introduce computational methods for numerical solution of non-linear equations, differential equations, approximations, iterations, methods of least squares, and other topics. Partially duplicates MATH 4554. If time permits we will discuss additional topics as well.

Grading.

The grade will be based on:

22% Part-term exam #1 (in-class)
22% Part-term exam #2 (in-class)
26% Final Exam (in-class)
30% Homework (theoretical and programming assignments)
Policies.

**In-class exams.** Exams are closed-books, closed-notes. However, you are allowed to bring
in one letter-size piece of paper, with hand-written notes on both sides. These notes need to
be in your own hand-writing. Rationale: preparing the notes for the exam is in itself a step
towards learning the material.

**Homework.** You are allowed to discuss/brainstorm about homework problems with your
colleagues. However, after the discussion ends, everyone needs to step away from the group,
and solve the problems again on their own. Homework submissions that are highly similar
raise the plagiarism flag.

Disclaimer.

Some information given to you in class may supersede the information in this syllabus or in the
web page.

**Student Complaints and Academic Misconduct.**

Students are expected to comply to the Honor Code. If you have any problems, the first step is to
discuss with me directly.

Disabilities.

Please let me know if you have a disability which requires special arrangements.

Topics.

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