Math 315, Numerical Analysis
Fall, 2014

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This book can be ordered online; see:
http://www.mathcs.emory.edu/~nagy/courses/fall14/info315.html

Course Information

Lectures, Office Hours, and Help Sessions.

- **Lectures:** Tuesday and Thursday, 1:00–2:15. Please arrive on time.

- **Help Sessions:** There will be several additional help sessions scheduled outside the normal lecture – especially in the semester to introduce MATLAB concepts. These help sessions will be announced in the lecture, and will be scheduled as needed. Currently, I expect to have MATLAB help sessions at the following times:

  Wed., September 3, 6:00–7:00 PM, Mathematics and Science Center, E308A.
  Thurs., September 4, 9:00–9:50 AM, Mathematics and Science Center, E308A.
  6:00–7:00 PM, Mathematics and Science Center, E308A.
  Fri., September 5, 1:00–2:00 PM, Mathematics and Science Center, E308A.

- **Office Hours:** There will be very little time in the lectures to go over any homework and suggested practice problems. If you need help, please come to office hours. If you cannot come to office hours, please try to make an appointment.
Grades.

There will be 2 tests, 6 quizzes, and 5 homework projects. The final grade will be determined as:

20% Quizzes    30% Homework    50% Tests

Tests.

There will be 2 tests on the following dates:

Thurs., Oct. 9,    Tues., Dec. 2

Makeup tests will be given only in extreme situations.

Quizzes.

There will be several short quizzes given throughout the semester. The lowest quiz grade will be dropped. There will be no makeup quizzes – if you miss one, then it is the quiz that you will drop.

Final Exam.

There will not be a final exam, but the second exam will be cumulative.

Homework Projects.

Students are expected to do all computing assignments using MATLAB. The first homework project will be done individually.

The remaining four projects will be done in teams to be determined during the first two weeks of the semester. **Collaboration is allowed (in fact, expected) within each team, but exchange of information between members of different teams is strictly forbidden.**

Important notes:

- Homework turned in one day late will receive a 20% deduction.
- Homework turned in two days late will receive a 50% deduction.
- Homework will not be accepted more than two days after the due date.

Exceptions to this policy will be granted only in extreme situations.
Practice Exercises.

I will be providing a list of suggested problems from the book for each section we cover; you can find these on the course webpage:

http://www.mathcs.emory.edu/~nagy/courses/fall14/315.html

You are strongly recommended to do all of these problems. You may work together on the problems, have a conference to discuss class material, etc. These problems should be helpful in preparing for the tests.

Class Attendance.

Attendance is not required, but strongly encouraged.

If you miss a class, then you should get a copy of the notes from one of your classmates. If you come to class, then I expect you to arrive on time and stay until the end. In particular, you should not leave in the middle of a lecture. If it is necessary to leave early, then I expect an explanation. Hopefully breaks should not be needed to go to the bathroom, to answer your phone, etc. If such a break is needed, I expect an explanation.

Please pay attention during the lecture – in particular, please do not have any open laptops, phones, magazines, newspapers, etc..

Honor Code.

All students must adhere to the provisions of the Honor Code. For more information, see:
http://college.emory.edu/home/academic/policy/honor_code.html