

Math 315, Numerical Analysis  
Fall, 2013

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This book can be ordered online; see:  
http://www.mathcs.emory.edu/~nagy/courses/fall13/info315.html

Course Information

Lectures, Office Hours, and Help Sessions.

- **Lectures**: Monday and Wednesday, 8:30–9:45. **Please arrive on time.**

- **Help Sessions**: There will be several additional help sessions scheduled outside the normal lecture – especially early 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 4, 12:00–1:30 pm, Mathematics and Science Center, E308A.  
  Wed., September 4, 2:00–3:30 pm, Mathematics and Science Center, E308A.

Note that there are not enough spaces in E308A for everyone in the course, so you should attend only one of these first MATLAB help sessions. A sign-up sheet will be distributed in the lecture.

- **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, 5–6 quizzes, 4–5 homework projects, and a final exam. The final grade will be determined as:

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15\% \text{ Quizzes} \quad 25\% \text{ Homework} \quad 30\% \text{ Tests} \quad 30\% \text{ Final Exam}
\]

Tests.

There will be 2 tests on the following dates:


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.

The Final Exam is *cumulative*, and will be given on Monday, Dec. 16, 11:30–2:00.

Homework Projects.

Students are expected to do all computing assignments using MATLAB. Projects will be done in teams to be determined during the first few 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 projects are expected to be turned in at 8:30 am on the specified due dates.
- Homework turned in late, but before 4:00 pm on the due date, will receive a 20% deduction.
- Homework turned in after 4:00 pm on the due date, but before the beginning of the next class period, will receive a 50% deduction.
- Homework turned in later than the class period following the due date will not be accepted.

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/fall11/315.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