



MAD6407 — Numerical Analysis — Spring 2017

Time and Location: MWF period 7, Little Hall, Room 233

Office Hours: MWF period 8 and by appointment made 24 hours in advance.

Note on Email: I often check my email just in the early afternoons on weekdays. So if you need a reply by a certain time, plan ahead accordingly.

Text: Class notes. Some standard texts are

- *An Introduction to Numerical Analysis*, 2nd Edition, K. Atkinson
- *Numerical Analysis*, Burden and Faires
- <http://numerical.recipes/>
- And many other texts and on-line resources

Prerequisites: An analysis course and a programming language, preferably MATLAB

Brief Course Description: Root finding, interpolation, approximation theory, numerical differentiation and integration, and numerical solutions of ODEs.

Homework: Home work will be assigned every other Friday and due the next Friday. Late homework will be accepted the next Monday at 2/3 credit. After that, no late homework will be accepted. All HW is due in **hard copy** and at the start of class. I **do not** accept electronic submissions. Homework will be posted on a web page and announced in class.

Grades: Grades will be based on homework and class participation.

Class Attendance and Protocol: Most students benefit a great deal from attending class regularly. Arriving late and/or leaving early, reading the newspaper, talking, texting, etc. disrupts the class and is rude and unprofessional. **You are responsible for all information given in class** and posted on the course websites.

Excused Absences: In certain circumstances a student will be able to make up a missed exam. These circumstances could include medical situations, family emergencies, travel for University activities (eg. band, debating club, etc), and religious observances. In these cases the student must inform me before or within one week after the missed work and **provide written documentation**.

Honor Code: In this course authorized aid on homework consists of talking to me, other students, and looking at the text for this course. This means that you are not allowed to look in other books for solutions to the homework or at the written solutions of other students.

Additional Information:

Grades: Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Honor Code: "UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The **Honor Code** specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class."

Class Attendance: "Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>."

Accommodations for Students with Disabilities: "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester."

Online Evaluations: "Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>."

Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.