Instructor: James Keesling  
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Office Hours: MW 6th Period  
LIT 424  
(352) 294-2312

Meeting Time and Place: MWF 5th Period, 11:45 am - 12:35 pm, FAC 127


Goal: The student will become familiar with the techniques of using the computer to solve mathematical problems and be able to solve problems using the techniques.

Syllabus: This course is an introduction to the basic techniques of numerical analysis. A major theme in the course is using the computer to solve mathematical problems. A significant topic will be the analysis of error. This is a course in mathematics. So, special attention will be paid to the mathematical theory behind the methods used.

No textbook is required. Class notes will be available online. The TI-Nspire CX CAS will be used in class to investigate examples to clarify the theory. It will also be required for the tests. The tests and final will include examples to be calculated and explained.


Tests and Grading: There will be two in-class tests and a final exam. The grades will be determined by averaging the tests and final exam scores: 95-100 = A, 90-94 = A-, 87-89 = B+, 83-86 = B, 80-82 = B-, 76-79 = C+, 70-75 = C, 65-69 = D+, 60-64 = D, 0-59 = E.

Final Exam: Thurs, Apr 30, 10 am – 12 pm, FAC 127

Policy for Make-Up Exams: If a student has a known conflict for an exam, the student has the responsibility to make arrangements for a make-up before the exam is given. If a student misses an exam due to an emergency, arrangements must be made as soon as possible for a make-up.

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