Instructor: Eric Sutton
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Office hours: TBD

Meeting time: Tuesday 2:00-3:30, Thursday 4:05-4:55
Meeting place: GERC 122


Course prerequisites

Some basic familiarity with the C programming language, or more extensive familiarity with some other language, such as Pascal or Fortran. I.e., this should not be your very first programming class.

Course content

The course will begin with a very short review of C, then continue with an introduction to the C++ language and object oriented programming combined with some numerical methods. Topics covered include

- Series approximations
- Root finding methods
- Manipulation of complex numbers and polynomials
- Data hiding
- Encapsulation
• Inheritance
• Polymorphism
• Templates
• Container classes

There will be several programming assignments throughout the semester, and a final programming project where the student must use C++ and object oriented programming to solve an engineering problem of his own choosing.

Grading

<table>
<thead>
<tr>
<th>Programming Assignments</th>
<th>60%</th>
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<tbody>
<tr>
<td>Final Project</td>
<td>40%</td>
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Assignments and projects

All assignments and projects are to be done on an individual basis. Discussions about the assignments of a very general nature between students are allowed and encouraged. However, your solution to each assignment should be your own work.

For programming assignments, code should be handed in as both hard copy and electronic form. The hard copy should use a readable font and format. The electronic version should consist of either a zip or tar.gz attachment to e-mail. Include only the source and header files.

It is your responsibility to solve any computer problems, such as transfer of files between different operating systems or incompatibilities between compilers. I will do what I can to help, but the basic responsibility is still yours.

Significant dates

The due dates for assignments will be announced in class and posted on the web page. In some cases, changes might be promulgated through the e-mail list.

Getting help

The following are your options for getting help with class work:

• See me immediately after class. This works best for shorter questions.
• Ask questions through e-mail. Be sure to send me all the information I will need to answer your question, such as program code or output. Also, be sure that your e-mail actually asks a question.
• Make an appointment through e-mail.

• Drop by any time. There is no guarantee that I will be able to see you, but if you are in the building and want to drop by, that is fine.

If you do not feel that you have adequate access to help, let me know and I will do whatever I can to fix the problem.

Students with disabilities

Students with disabilities who are requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodations.

Academic honesty

All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a student at the University of Florida and to be honest in all work submitted and exams taken in this class and all others.