Computer Science 32
Object-Oriented Design and Implementation (in C++ on Linux)

- Pre-requisite: CS 24
  - So already know much C++ including object-based fundamentals: classes and ADTs
  - Also familiar with at least some Linux usage
- Designed for 2nd year CS pre-majors
  - Others welcome if pre-req. met and space permits
- Primary goal: ready for CS 48 & upper div. CS

Course structure
- Cover all of Reader + key chapters of Textbook
- Mixture of OOP/C++ and OS topics (not sequentially)

<table>
<thead>
<tr>
<th>OOP/C++</th>
<th>OS/Linux</th>
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<tbody>
<tr>
<td>Intro. OOP and OO design</td>
<td>Intro. OS and Unix</td>
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<tr>
<td>Classes – basics</td>
<td>Processes</td>
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<tr>
<td>Classes – advanced</td>
<td>Tools and pgm. building</td>
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<tr>
<td>Inheritance, polymorphism</td>
<td>Memory concepts</td>
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<tr>
<td>Templates and STL</td>
<td>Libraries</td>
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Exams:
- Exam 1: OOP/C++, OS/Linux
- Exam 2: Inheritance, polymorphism
- Exam 3: Templates and STL

Requirements
- 3 exams (no final exam) – 25 percent each
  - Probably Thursday, October 18
  - Probably Thursday, November 8
  - Probably Thursday, December 6
- Labs/assignments/quizzes – 25 percent
  - Lab attendance is monitored and counts toward grade
- Students are responsible for monitoring changes to course web pages too
- Questions?

To Do – first week
- Readings #1 and #2 (from Reader)
  - In general, read ahead of lectures
- Attend your assigned lab section next week
  - First week’s labs were cancelled
- Verify CSIL access well before next Thursday
  - Need a user account @engineering.ucsb.edu (@cs is an alias) – apply online if you don’t already have one
  - Change password as required – sign on and play a bit with Linux commands (see Reading #1)