The Important Stuff

• MWF 11:00-11:50 in Alden 101
• Lab W 2:30-4:20 in Alden 101
• Prerequisites: CMPSC111 (or permission)
• Required textbook:
• Office: Alden 104
• Email: jwenskovitch@allegheny.edu
• Website: cs.allegheny.edu/~jwenskovitch/teaching/CMPSC112/
Office Hours

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<td>G2 Work and Skype Meeting</td>
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The Moderately Important Stuff

• Grading!
  – Exams 1-2 (15% each)
  – Final Exam (20%)
  – Projects and Labs (30% total)
  – Final Project (10%)
  – Attendance & Participation (10%)
Some Other Degree of Importance

• Weekly labs
  – Dedicated time to work on the labs each week
  – Due prior to the next lab session
  – You can work in groups to understand the material, but each individual must submit their own work
Late Policy

- If it’s late, you get penalized
  - 20% up to one week
  - 100% after one week

- If you can’t get to class, tell me one week in advance, unless you’re sick, in which case please get me documentation.

- Don’t schedule vacations during exams!
What will I learn?

1. The ideas behind object-oriented code, both in structure and in design.
2. The implementation of a number of data structures, including Stacks, Queues, Strings, Trees, Graphs, and Hashtables.
3. Understand the uses of each of these data structures as they relate to algorithm design.
4. Analyze the performance of some of these data structures.
5. Gain exposure to fundamental code structures, such as recursion, searching, and sorting.
Class Structure

• **Week 1** = Quick 111 Review
• **Weeks 2-3** = OOP Design / UML
• **Weeks 4-5** = Arrays / Lists / Recursion
• **Week 6** = Analysis / Performance
• **Weeks 7-8** = Stacks / Queues
• **Week 9** = ArrayLists
• **Weeks 10-11** = Trees / Heaps / Graphs
• **Weeks 12-13** = Hashtables / Maps
• **Weeks 14-15** = Searching / Sorting
Important Dates

• EXAM 1 WILL BE ON February 17
• EXAM 2 WILL BE ON April 6 (probably)
• FINAL EXAM WILL BE ON MAY 10, 9:00 AM
Department of Computer Science

Honor Code Policy

“It is recognized that an important part of the learning process in any course, and particularly in computer science, derives from thoughtful discussions with teachers, student assistants, and fellow students. Such dialogue is encouraged. However, it is necessary to distinguish carefully between the student who discusses the principles underlying a problem with others, and the student who produces assignments that are identical to, or merely variations on, someone else’s work. It will therefore be understood that all assignments submitted to faculty of the Department of Computer Science are to be the original work of the student submitting the assignment, and should be signed in accordance with the provisions of the Honor Code. Appropriate action will be taken when assignments give evidence that they were derived from the work of others.”

01/20/2016
Any Questions?