Today’s Topics

- Course Goals
- Policies & Procedures
Prerequisites

• CMPS 147 should have taught you:
  • Variables
  • Arithmetic, Boolean, Logical Operators
  • Conditional Execution (i.e. if statements)
  • Loops (i.e. for and while loops)
  • Functions
  • Arrays
  • What else? (Files, Pointers, …)
Course Goals

- You will learn:
  - the rest of the C++ syntax
  - how to create quality code

- As the complexity of our programs grow, so does the C++ syntax:
  - Pointers
  - Classes and Objects
  - Templates
  - Polymorphism
  - Standard Template Library
What to expect

- The first few weeks will review the basics of C++
  - Chapters 1-6

- You will be writing a lot of code
  - You don’t learn to program by reading a book or watching me...

- Tutoring will likely be available… but be warned..
Grading

- Attendance & Participation: 5%
- In-Class Labs: 10%
- Homework Assignments: 25%
- Exam 1: 15%
- Exam 2: 20%
- Final Exam: 25%
Attendance/Participation

- Attendance is absolutely critical
  - Recorded at beginning of class
  - If you are not here when I take attendance, you are **absent**.

- Participation
  - **Attentiveness**
  - Answering and Asking Questions
In-Class Labs

- Periodically you will be given programming assignments in class

- Graded 0-10
  - Labs are to be turned in by the next class (6:30pm)
  - No late labs are accepted, under any circumstances.
Programming assignments will be given roughly once every 2 weeks:
- You must work alone
- 10 point penalty per day late

Assignments will be turned in electronically
- Submission format (file types, filenames, etc.) will be given for each assignment
Homework Assignments

- General grading guidelines
  - Unable to compile: NO CREDIT
  - Program crashes on normal input (at least 50 pts off)
  - Program crashes on exceptional input (10-20 pts off)
  - Program runs with erroneous output (varies)
  - Not following directions (solves a different problem) - penalty varies.
  - Anywhere from 5-25 point penalties for poorly designed / formatted code.
Homework / Lab Guidelines

- Work together?
  - Labs: Sure.
  - Homework: **NO** - automatic 0 on first offense, **automatic F on second offense**
    - 0’s and F’s are given to **both** parties, **no matter what**.

- Turning in working programs:
  - Never turn in a program that doesn't compile - see me first.
  - You must **ALWAYS** send .h and .cpp files
    - Be careful - there are many files...
Exams

- You will have 2 exams + Final:
  - Exams will take entire period
    - Open Book/Notes/Computer
    - Must be done on lab computer
  - Will consist of approx. 70% programming, 30% question/answer
  - Final Exam will be comprehensive.
All lecture notes and homework assignments will be posted

- Lecture notes are not complete - you will still need to take notes!
- You will turn in homework electronically
  - Grades for each assignment should be posted within a week.
Contact Information

- Office Location: G 315
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- Office Hours: TBD

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- Course Web Site: www.moodle.ramapo.edu