Today’s Topics

- Welcome
- Course Overview
- Administration
- Terms and Concepts
Welcome to EECS 183!

• Instructors
  – Chandra Boyapati  <bchandra@umich.edu>
  – Mary Lou Dorf       <mdorf@umich.edu>

• Discussion Instructors:
  – Gargi Datta
  – John Leahy
  – Brandon Kwaselow
  – Alex Matchneer
  – Matt Morlock

• Course Web Site: ctools.umich.edu
  – The web site is an integral part of the course
    • syllabus, handouts, assignments, critical information, etc.
What is EECS 183

• A first course in computer programming

• Goals:
  – Knowledge:
    • Understand the programming process, and the fundamentals of how programs work
  – Skills:
    • Learn the basics of programming in a high-level language (C++) in preparation for further study
What This Course is About

• This course is NOT about USING software
• Ingredients of designing and writing software
  – Computer programs
  – A programming language (C++)
  – Elementary programming concepts
    • Universal constructs
    • Useful techniques
  – Producing software solutions to problems
    • How to think about problems
    • How to articulate solution in a precise way
    • How to understand what a program is doing
How 183 fits in your degree program

- First course in computing for LS&A students (majors and non-majors)
  - Engineering students should take ENGIN 101

- Under current CS major requirements (effective Fall ’01), is not required, but does serve as “prior programming experience” prerequisite for 280

- Thinking about 183 vs. 280?
  - See a CS advisor (call 763-2305 for appointment)
  - Score >= 3 on the C++ AP exam (2000 or later) places you out of 183
  - Score >= 4 on the Java AP exam places you out of 183
  - Experience writing code – language doesn’t really matter
Course Administration

- http://ctools.umich.edu

- On-line course syllabus provides
  - a detailed list of topics covered in the course
  - the corresponding reading assignments
  - programming project due dates
  - exam dates & times

- Lecture slides will also be published on CTools as we go along
Discussion Sections

- Yes discussion sections will meet this week
- In Computer Labs
  - Meet at:
    - 014 Mon 10-11 G444A Mason Hall
    - 011 Tue 9-10 1570 CC Little
    - 012 Tue 12-1 1570 CC Little
    - 013 Tue 3-4 G444A Mason Hall
    - 015 Fri 1-2 G444A Mason Hall
Recommended Textbooks

- Dale & Weems
  - Programming and Problem Solving in C++ (4th edition)
  - earlier version is also OK and may save you money

- Ford, Teorey, & Tyson
  - Practical Debugging in C++
    (C++ Debugging Guide)

- CodeLab membership (www.tcgo1.com)
Getting Information

• Go to the CTools site!

• Read your e-mail!
  – Class e-mail group to be set up by the teaching staff
  – Membership mandatory
    • We assume you read everything sent to this list!

• phorum.eecs.umich.edu
When you have questions

• Regarding HELP with course materials and assignments
  – www.phorum.eecs.umich.edu
  – 183help@umich.edu
  – See anyone on the teaching staff (office hrs posted)
  – EECS Learning Center (see website)

• Regarding assignment submission or regrade requests:
  – go to your discussion instructor

• Regrade requests
  – Must be made in writing within 7 days of the assignment being handed back
  – Procedure detailed on website (Resources section)
Academic Integrity

• All students must follow the Engineering Honor Code
• Violations will be reported to the Engineering Honor Council and/or the LS&A Academic Standards Board
• See LS&A document “Academic Integrity in the College of LS&A”
• See “EECS 183 Cheating Policy”
EECS 183 Cheating Policy

- All projects may be done as a “pair”. Two people, one computer
- Discussing concepts is generally OK, exchanging or copying files or written work is NEVER OK
- Come to the teaching staff for help if:
  - you have questions about course material
  - you are having trouble with the assignments
  - you have uncertainty about cheating policy
  - you feel like it
Academic Integrity (cont.)

- **course materials** provided by the teaching staff (textbook, handouts, project writeups, course web pages, etc.) may be used freely in your work

- all student must follow the **CAEN and SITES Conditions of Use policies** for use of UM computing facilities
Overall Course Grading

- 2 Midterms: 40%
- Final Exam: 10%
- Programming Assignments: 43%
- CodeLab: 5%
- GSI pts: 2%
- Assignments: 10%
Assignment Deadlines

• Programming Assignments
  – On-Time: Always due by midnight on the due date specified
Program Grading – guidelines
Will not hold on all programs

- Functionality and Correctness: 86%
- Structure, Style, Comments, etc.: 14%
Late Policy

• You get 3 “late days” for the semester with NO penalty
• Just submit as normal. We ALWAYS take the last autograder submit and will determine late days accordingly
• Late days will be tracked through ctools/gradebook
• If you use a 4th late day, it will be graded at 50% off
• If you use a 5th late day, the project will receive a 0
• Given flexible late penalties, exceptions granted only under the most extraordinary circumstances (see instructor)
• PLAN for things to go wrong!
• We strongly suggest you NOT use your late days for the early projects – they will get harder
Exam Schedule

- Midterms Exams (evening – most likely – don’t have rooms yet)
  - Wed. Oct 1 6:00 - 7:30 pm
  - Wed. Nov 5 6:00 - 7:30 pm

- Final Exam
  - Monday Dec 15th 7:00-9:00 pm
    - NO EARLY FINALS will be offered regardless of circumstances

- Locations will be on Syllabus
Computer Accounts & Software

• Your SITES account is all that is needed

• Major Software
  – Microsoft Visual Studio

• Supported Platforms: Windows
  – your programs must run with Visual Studio to be graded

• For home use:
  – Visual Studio 2008 Express edition is available for free: