Transition to Matlab

CS1132 Spring 2012

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http://www.cs.cornell.edu/courses/cs1132/2012sp/autotu

Today's meeting

- Course goals

- Organization and requirements

- Logistics

- Scheduling

Course Goal

Learn how to program in Matlab!

Topics:
- Matlab basics (environment, built-in functions)
- Arrays (vector, matrix)
- Vectorized code
- Control flow (if-else, loops)
- User-defined functions
- Strings and cell arrays
- Graphics
- Basic I/O (including file I/O)

Programming Fundamentals …

… that you should practice

- Top-down design
- Modular program development
  - Reduce redundancy
- Concise documentation
- Thorough testing

Must-know facts about CS1132

- Course ends after 10 weeks: April 6th
- 1 credit (equivalent to 4-5 weeks); S/U
- Auto-tutorial and requires mastery of material
  - An <u>average</u> of B (85%) is required to pass the course
  - Average based on four items: Assignments 1 & 2 and Tests 1 & 2
- Assignments
  - If first submission is not perfect, <u>one</u> re-submission is allowed without penalty. Any additional *re*-submission incurs a 10% deduction.
  - Assignment 1a (re)submission deadline: Feb 10th
  - Assignment 1b (re)submission deadline: Feb 24th
  - Assignment 2 (re)submission deadline: Apr 6th
  - Late (re)submission allowed up to 2 days for a 10% penalty

Must-know facts about CS1132 (cont'd)

- Tests
  - Take Test 1 after submission of Assignment 1 (parts a & b)
    - Deadline is Feb 24th
  - Take Test 2 after submission of Assignment 2
    - Deadline is April 6th
  - Multiple attempts are allowed, but only once a week
  - The most recent test score is the final score

- All course materials are online and in the textbook
- The website _is_ the course
- Consulting available MTWR 5-10pm in Green Rm of ACCEL (Carpenter Hall, former Engineering Library) starting Sunday
- Optional lectures – see website of the lecture-based version of the course http://www.cs.cornell.edu/courses/cs1132/2012sp/lec

How to submit homework

- Submit your homework files on CMS

- Resubmitting a homework:
  - Carefully consider the grader's comments, but the final correctness of <u>your</u> homework is <u>your</u> responsibility.
  - Submit all (corrected) files related to the same question
  - <u>Click the "Regrade Request" button</u>

How to sign up for a test

- Take Test 1 after you submit Assignment 1 parts a & b
- Take Test 2 after you submit Assignment 2
- You can sign up after submitting the relevant assignment(s)—no need to wait for grading result
- For each test, sign up for a spot in one of the (several) test sessions listed in CMS.
  - If you have an unsuccessful attempt, sign up for another attempt the following week. Occupy only one test slot at a time.
  - Review your test with the TA during office hour before your next attempt!
  - If we see you making repeated attempts without improvement, you *will not be allowed to write the test again* without reviewing with a TA first.
  - We add test sessions throughout the semester, about a week in advance.

Academic integrity

- Electronic submission and the self-paced nature of the course do not alter the University standards on academic integrity

- Your individual work is required
  - Do not copy code from any source (friend, published work, Internet, …)
  - You can discuss general strategy with others, but do not share any code, whether written, electronic, or verbally
  - We use MOSS or similar software to check your submitted programs

What to do now?

- Check course website!

- Start studying the course material

- Log on CMS (start from course website). If CS1132 LEC3 is <u>not</u> listed under "*My courses*," then you need to be added to the system. Email Maarika Teose <mt524@cornell.edu> to request this and indicate your Cornell NetID.

Recap… deadlines in the auto-tutorial course

- ## Module 1
  - ### Feb 10th Fri
    - Last day to (re)submit Assignment 1a
  - ### Feb 24th Fri
    - Last day to (re)submit Assignment 1b
    - Last day to (re)take Test 1
- ## Module 2
  - ### April 6th Fri
    - Last day to (re)submit Assignment 2
    - Last day to (re)take Test 2