

Transition to Matlab

CSI I32 Spring 2015

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<http://www.cs.cornell.edu/courses/cs1132/2015sp/>

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 CSI 132

- Course ends after 10 weeks: April 17th
- 1 credit (equivalent to 4-5 weeks); S/U
- Auto-tutorial and requires **mastery of material**
 - An **average** 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, **one** re-submission is allowed without penalty. Any additional **re**-submission incurs a 10% deduction.
 - Assignment **1a** deadline: **Feb 11th**
 - Assignment **1b** deadline: **Mar 4th**
 - Assignment **2** deadline: **Apr 15th**
 - Late (re)submission allowed up to 24 hours for a 10% penalty

Must-know facts about CSI 132 (cont' d)

■ Tests

- Take **Test 1** after submission of Assignment 1 (parts a & b)
 - Deadline is **Mar 6th**
 - Take **Test 2** after submission of Assignment 2
 - Deadline is **Apr 17th**
 - Multiple attempts are allowed, but only once a week
 - Final score is the most recent score
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- All course materials are online and in the textbook
 - **The website is the course**
 - Consulting available SMTWVR 5-10pm in Green Rm of ACCEL (Carpenter Hall) starting Jan 29th
 - Occasional assignment-focused help sessions and exam review sessions will be announced

How to submit homework

- Submit your homework files on **CMS**
- **Resubmitting** a homework:
 - Carefully consider the grader's comments, but the final correctness of your homework is your responsibility.
 - Submit all (corrected) files related to the same question
 - Click the “**Regrade Request**” button
- Submit a homework anytime before its deadline—submissions made by **Wednesday** will be graded with feedback by Saturday of the same week
 - Submit on Tues? Get feedback by Saturday of the same week.
 - Submit on Wed? Get feedback by Saturday of the same week.
 - Submit on Thurs? Get feedback by Saturday of the following week

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 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, a couple weeks 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 **CSI I32** is not listed under “*My courses*,” then you need to be added to the system. Email **Yue Gao** <yg255@cornell.edu> to request this and indicate your **Cornell NetID**.

Recap... deadlines in the auto-tutorial course

■ Module 1

- Feb 11th (W) Last day to (re)submit Assignment 1a
- Mar 4th (W) Last day to (re)submit Assignment 1b
- Mar 6th (F) Last day to (re)take Test 1

■ Module 2

- Apr 15th (W) Last day to (re)submit Assignment 2
- Apr 17th (F) Last day to (re)take Test 2