CS101: Computer Program & Problem Solving
Computer Science, New Jersey Inst. of Tech.

Syllabus, Fall 2017

Instructor
Prof. D.C. Douglas Hung
GITC, Room 4313
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Office Hours
11:45 am – 12:45 pm Monday & Wednesday
others by appointments.

Description of Course
An introductory course that is designed for engineering freshman. This course introduces students to the engineering problem solving process in the context of MATLAB. The emphasis is on the logical analysis of a problem and the formulation of a computer program leading to its solution. Topics include basic concepts of computer systems, algorithm design, programming languages and data abstraction. At the end of class, a comparison between MATLAB and C/C++ will be discussed in order to provide students a better understand of general concept of computer programming.

Course Webpage: http://web.njit.edu/~hung/
All of the course materials, including lecture notes and homework, will be posted on the cs101 webpage. Be sure to check the course homepage often since announcements will post on it without prior notice.

Textbook

Grading
Your course grade will be determined by weekly homework assignments, projects, quizzes, two midterms and a final exam. The homework and projects should be done individually. All quizzes and exams will be closed books and notes. Your grade in the course will be determined by the following breakdown:

Attendance 5 %
Homework 15 %
Midterms 45 %
Final Exam 35 %
Grading Policies

- **A**: 80% and above
- **B**: 60% and above (B+: 77% and above)
- **C**: 45% and above (C+: 57% and above)
- **D**: 35% and above
- **F**: otherwise

Course Policies

Class attendance is mandatory.

As a general rule, no makeup exams will be given, no alternate dates for exams, and no turn in assignments late. Of course, if someone has a legitimate reason (e.g., jury duty, medical problem), I will make allowances as long as you provide proper documentation (e.g., a note from your doctor). Also, I do not give out extra-credit assignments.

All exams will be closed books and closed notes. For midterms, no one will be permitted to leave the room once it has started. If a student leaves before the exam period is concluded, his/her exam will be collected and not be allowed to continue the exam. Students with special needs are advised to make arrangements with Disability Services for exam accommodations.

Upon getting back one of your exams, any questions about the grading must be asked right after all the answers were discussed.

Unless you are otherwise instructed, all portable electronic devices, such as cell phones and laptops, must be turned off during class.

Honor Code

The NJIT Honor Code will be strictly upheld, and any violations will be brought to the immediate attention of the Dean of Students. Honor Code violations include, but are not limited to,

- communicating with others during exams
- using unauthorized materials during exams
- copying/giving a computer program from/to another person.