

# Beginning C for Engineers

## CSCI 1190 – Spring 2009

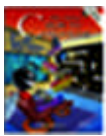
### Syllabus

Instructor:	Minoo Aminian Computer Science Department
Office:	MRC 304
Office Hours:	Tuesday: 12:30pm – 1:30pm
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### Course Objective

This course teaches the fundamentals of programming in C and the skills you need to develop to solve typical science and engineering problems by writing a program in C. Students taking this course do not need to have any previous programming experience. It is a fast-paced course and the students need to manage their time wisely.

### 1 Textbook



C How to Program, by H. M. Deitel and P. I. Deitel is the required text.

The following are good reference books on C. They are not required for this course, just listed here as good supplements:

- The C Programming Language, by Brian Kernighan & Dennis M. Ritchie,

Publisher: Prentice Hall

- C: The Complete Reference, by Herbert Schildt

## 2 Tentative Course Schedule

Class	Topics	Readings	Notes
1	Introduction to C program	1, 2.1 – 2.4	
2	Algorithms, Conditionals, Logic	2.5-2.6, 3.1-3.10 4.10-4.11	HW1
3	Control Flow, Repetition	4.1-4.9, 4.12	HW2
4	Functions	5	HW3
5	Arrays, Project	6, 8.1-8.3	HW4
6	Number System, Project	App. D	
7	Project Evaluation, Final Exam		Project

## 3 Grading

The final grade breakdown is as follows:

In-class Exercises	20%
Quizzes	20%
Homework	20%
Project	10%
Final	30%

## 4 Exam

Final exam is given during the last class. The exam is closed book and closed notes and no electronic device is allowed, however you can bring one double-sided written sheet of paper with your name on it.

## 5 Academic Integrity

Academic dishonesty is considered a serious matter and the student may be subject to penalties as explained in the current Rensselaer Handbook of Student Rights and Responsibilities. You may collaborate on homework assignments and in-class exercises. In fact this is encouraged, however each student must write his own solution.

Exams and quizzes are to be strictly independent work. Any collaboration or information sharing during these will be considered academic dishonest