

CS 110 Syllabus
Spring 2009

Objectives

Students will study topics in computer science including the following:

1. How Computers Work: Students will learn about computer hardware and software to the extent that they will be able to write and execute programs.
2. Problem Solving Strategies: Students will study approaches to problem solving (defining the problem, designing a solution, implementing the solution, testing, documenting). They will apply these strategies to their lab assignments and consider the application of these strategies to problem solving in general.
3. Why Software is Needed and How it is Created: Students will study language issues, syntax and semantics, what programming languages are, what steps are involved in creating computer software.
4. Applications to illustrate and support the problem solving strategies: Students will write program that manipulate pictures and sounds.

Textbook: Essentials of the Java Programming Language by Joan Krone, Matthew Kretchmar, and Thomas Bressoud

Meeting time

MWRF 9:30 – 10:20

Grading

3 announced tests	30%
surprise quizzes	15%
labs (including one special project)	25%
class participation	5%
final exam	25%

Instructor

Joan Krone

Olin 211

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587-6484

Office hours: T 8:30, MWRF 8:30 and 10:30 Others by appointment.

webpage: <http://www.denison.edu/~krone>

Comments

Some topics will be covered in an order different from that of the book. You are responsible for all announcements in class regarding assignments and deadlines. Some materials will be available on the instructor's webpage. It is a good idea to read the material in the chapters before coming to class so you will be ready with questions. Not every topic in every chapter will be covered in class.

There will be lab assistants in Olin 217 to help you with your labs in case you need help. Hours will be announced and posted on the door.

The work you will need to do is cumulative. It is easy to do each daily assignment. However, it is unwise to wait until the last minute to start any assignment. Due dates will be announced in advance. It is recommended that you start on your labs well before those dates.

Academic Honesty

Students are expected to do their assignments on their own. Some pair and/or small group assignments will be made, and each pair/group will turn in a single document.

Attendance

Students are expected to attend all classes. In the case of illness, students should notify the professor preferably by email (kroner@denison.edu) to get due dates or other information.

Test and Quiz Policy

There will be no make-up quizzes or tests. When a quiz is missed, a grade of 0 will be recorded. The lowest quiz score will be dropped.