

## CS 375 Computer Systems

G. Cichanowski

Text: Cichanowski, Macro-11 Programming and PDP-11 Organization.

The book is available as a set of PDF and Word Files in folder  
\\esci1\Students\CS375\cichanowski\Book

Grades will be based on exams/quizzes (approx 60%), projects and homework (approx 40%) Late assignments will not be accepted unless arrangements are made *at least the day before*. Reading assignments will not normally be given. It is expected that students read the text before class (several times and again after coming to class). After the first couple of classes, you should be able to predict how far ahead to read. There are problems at the end of each chapter. It is expected that you do these problems, even if they are not assigned.

**At least 65% of the points on non test/quiz assignments must be earned to pass the course,** regardless of the scores earned on tests.

Assignments for this class are individual assignments unless you are told otherwise.

Assignments are graded on generality, efficiency, style, appearance and accuracy. *Grammar must be correct* on all written materials. If you have problems with grammar, consult the writing center for help.

Assignments will be run using a PDP-11 simulator that runs on a Windows platform. We will install the PDP software on your laptops during class in a couple of weeks.

It is expected that students attend all classes. **It will be hard to pass the class if you are not at most class meetings.** *It is expected that when coming to class that you be on time and stay for the full class.* **Announcements and assignments are normally given at the start of class and will not be repeated for those not there.** You are responsible for all directions given in class whether or not you are there. Coming late or leaving early is discourteous to your classmates. Do not expect help during office hours for material/instructions that you did not receive because you were not in class or were late. If a cell phone rings during class, I will confiscate it for a period of at least a day.

Quizzes may be given at any time. Missed quizzes may not be made up.

**Prerequisites: a grade of C or better in CS 250.** If you do not have the prerequisite you must drop the class.

**Computer Science courses may only be attempted 3 times, unless a waiver has been obtained.**

Normally, cell phones, tablets and lap tops may not be used during class. Be prepared to take notes some other way. There is significant research that indicates that taking notes in writing by hand (cursive) is much more effective then taking notes other ways.

## **Collaboration Policy**

The Computer Science Department advocates collaborative study and learning for its students. Activities designed to support this are given in class, and students are encouraged to participate in in-class as well as out-of-class collaborative exercises.

Unless otherwise specified by your instructor, no collaboration is allowed for independent work.

Specifically:

Discussions with the instructor or department tutor about independent work are allowed. For in-class tests and quizzes, access to any type of written material other than the test itself is not allowed. For take-home tests, written assignments and programming assignments, access to notes, books, and other publications is allowed. Discussions about the problem are allowed. However, stealing, giving, or receiving any code, drawings, diagrams, text, or design from another person (student or not) about the solution is not allowed. Having access to another student's work is not allowed.

Students who participate in illegal collaboration on independent work, as determined by the department's Illegal Collaboration Policy ( <http://cs.winona.edu/Policies/Collaboration.pdf> ), will receive a course grade of F. All such incidents will be reported to the Computer Science Department and to the Dean of Students.

## **Accommodations**

If you have a physical, cognitive or emotional disability or otherwise feel you are entitled to an academic disability accommodation, you should make an appointment with the Disability Service Coordinator, in Maxwell Hall 314. The coordinator will assist you in determining which academic accommodations would benefit you, and how to obtain them.

## **Email**

For any email you send me it should be easy to identify you and the purpose of your email from the name in the from field and the contents of the subject field. If not, your email will probably be discarded as spam.

I will use your campus email address to send assignments, correct assignments and to give you articles to read. It is your responsibility to check your email often.

## **Goals**

The goal of this class is for students to understand the basics of Computer Architecture. These basics include the Von Nuemann model, representations for data and instructions and how hardware and software interact. Students will demonstrate their understanding through homework assignments, tests and programming assignments.