

CS120 (Web) PROGRAMMING I 4 credits

SYLLABUS

Prof. David J. Powers

e-mail: dpowers@nmu.edu

Office Number: NSF 1306

Office Phone: 906-227-2501

Office Hours: none; contact me by e-mail or phone

Course Description and Overview

CS120 is both a foundation course for the computer science majors and a service course for other students. It is **not** a computer literacy course.

CS120 is designed to teach general principles about computer programming. After a short introduction to the organization of computers and the Internet, the main emphasis of CS120 is on the mastery of the programming language, JAVA, and its application to a variety of real-world problems.

CS120 satisfies the Formal Communication Studies requirement (Division V).

This course is designed to introduce students to the ways in which information and ideas are expressed using a communication system other than English. Such courses should foster the student's ability to conceptualize and communicate in an orderly, rational manner.

Characteristics of a communication system include: 1) possession of a grammar; 2) operation from an established set of rules; 3) reasoning properties such as deduction, inference drawing and problem solving. This includes courses in languages and those in which the central focus of the course is on statistics, computers or formal logic.

Text

GUI JAVA Part 1: Chapters 1-7, 2005 Edition, Peterson & Ellerbruch

The textbook is available at the NMU bookstore. If it is inconvenient for you to go to the NMU bookstore, you can have the bookstore send you the textbook for the additional cost of postage.

Prerequisite

C- or better in MA100 or equivalent

Homework

Six (6) homework problems are assigned for the semester. This course has a large laboratory component. Expect to spend up to 10 hours each week working on programming assignments. No partial credit is given for homework that is late. Partial credit is given for homework programs that are turned in by the due date, that compile properly, and that run and produce some output.

Also, be aware of the following homework due dates:

HW1 & HW2 must be submitted by June 15, 2005

HW3 & HW4 must be submitted by July 8, 2005

HW5 & HW6 must be submitted by July 29, 2005

All homework is submitted to a Web-CT Assignment Dropbox. Use the **Upload file** button to upload all required files. After all files are uploaded, remember to use the **Submit assignment** button. Your assignment will not be submitted if the **Submit assignment** button is not used. You will receive an e-mail confirmation if your assignment has been submitted properly.

Tests

All testing will be closed book and laptops may **not** be used during testing.

There are 4 tests for this course:

Test #1	Chapters 1-2
Test #2	Chapters 3-5
Test #3	Chapters 6
Final Exam	Chapters 1-6 (comprehensive)

You are expected to finish all the required tests including the Final Exam by the end of the semester. This means you should take a Chapter test about every 4 weeks to stay on schedule. You may finish early, but you must finish by Aug. 3, 2005. **No extensions will be given (no exceptions!).**

Also, be aware of the following test dates:

Tests 1 must be completed by June 15, 2005

Tests 2 must be completed by July 8, 2005

Tests 3 must be completed by July 29, 2005

Final Exam must be completed by August 3, 2005

All testing will be proctored (supervised) and closed book. *You will only need a pen/pencil during tests.* **No other materials are allowed!** Tests are in paper form and will be given to you by your proctor.

You may have your tests proctored or supervised by your instructor, the Math Department, or Continuing Education. If you are taking tests remotely, you must set-up a proctoring arrangement with Continuing Ed (906-227-2103, indstudy@nmu.edu) here at Northern. When you are ready for your first test, please contact your proctor.

Expectations

You are expected to become familiar with instructional objectives, course requirements, and methods employed in determining the course grade. You are also responsible for familiarizing yourself with the course syllabus and completing all the requirements of the course (*NMU Student Rights and Responsibilities .02 Student Responsibility*).

Grading

- 50% Homework Assignments
- 30% Tests
- 20% Final Exam (Comprehensive)

Grades: Grades are assigned based on the % of total points obtained as follows:

A 92-100 C+ 77-79
A- 90-91 C 73-76
B+ 87-89 C- 70-72
B 83-86 D+ 67-69
B- 80-82 D 63-66
F 0-62

Plagiarism

It is anticipated that students will work together on class assignments. It is never permissible, however, to submit work that is not substantially original with the author. Severe violations of

this principle will result in an 'F' for the course.

Americans with Disabilities Act: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office located at 2001 C. B. Hedgcock (227-1700; TTY 227-1543). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.