CS120
PROGRAMMING I
4 credits

SYLLABUS

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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 August 2004 Edition, Peterson & Ellerbruch

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Laptop & Other Electronic Devices

Laptops and other electronic devices **cannot** be used during class lectures.

Laptops should be brought to class **everyday**.
Laptops will be used for in-class exercises as indicated by your instructor.
Computer availability is required to complete Homework assignments and to access course materials on Web-CT.

Prerequisite

C- or better in MA100 or equivalent

Homework

About 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 outside of class working on programming assignments. No partial credit is given for homework more than one week late. 10% is deducted for each late day (up to 5).

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)

For on-campus sections of this course the test schedule will be announced in class.

For on-line Web-CT sections of this course tests are scheduled when the student requests. Please note however that on-line students must complete and submit Tests #1 and #2 to Continuing Education before the last three (3) weeks of class.

Make-up of Missed Work

For on-campus sections of this course:

1. Make-up of missed tests will be allowed if you contact me prior to the absence and you have a valid excuse.

2. **No** make-up of quizzes or in-class assignments will be allowed. Your attendance in this class will affect your final grade.

For on-line Web-CT sections of this course:

There are **no** in-class assignments or quizzes.

Personal Contact

I am very interested in what is happening with my students and I appreciate when you inform me of situations with could affect your attendance and/or performance in my class. However, please do not explain your class absences or other personal problems to me in the classroom (before or after class). Please use one of the following ways to inform me of personal items:

- meet me in my office during my office hours (NSF 1306)
- use my office phone, 906-227-2501 (leave a voice message)
- e-mail me at dpowers@nmu.edu

Grading

For on-campus sections of this course:
30% Homework Assignments
40% Tests & Quizzes (60% before final exam)
10% Class Participation
20% Final Exam (Comprehensive). Students with an 80% or higher average may elect **not** to take the final exam.

For on-line Web-CT sections of this course:
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.