

# CS444

## PARALLEL AND DISTRIBUTED PROCESSING

### 4 credits

## SYLLABUS

Prof. David J. Powers

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<http://euclid.nmu.edu/~dpowers/Classes/CS444>

Office Number: NSF 1306

Office Phone: 906-227-2501

Office Hours: Are posted on my office door  
(\*\* other times by appointment \*\*)

## Course Description and Overview

The goal of CS444 is to understand the development of parallel and distributed software. Topics in

parallel programming include multiple processes, threads, shared memory, semaphores, and monitors.

Distributed software topics include client/server technology, message queues, sockets, RPC and RMI.

## Text

Electronic class notes will be provided on the CS444 Web site.

## Laptop Use

Laptops **cannot** be used during class lectures.

Laptops can be used for in-class assignments as indicated by your instructor.

Computer availability is required to complete Homework assignments and to access course materials on the CS444 Web site.

## Prerequisite

C or better in CS228, junior standing or instructor permission

## Homework

Four to six (4-6) major programming 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 programs are submitted on CD-ROM.

Other smaller homework exercises and in-class projects may be assigned.

## Tests

All testing will be closed book and laptops may **not** be used during testing. There are 2 tests for this course:

MidTerm

Final Exam (comprehensive)

## Make-up of Missed Work

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.

## Personal Contact

I am very interested in what is happening with my students and I appreciate when you inform me of situations which 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

80% Programming and Homework Assignments

20% MidTerm and Final Exam (10% each)

**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.

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**Americans with Disabilities Act:** If you have a need for disability-related accommodations or services, please inform your instructor or the Office of Student Support and Disability Services at 1104 University Center (227-1737). 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.