Northern Michigan University
(Marquette Co, MI)
CS 222-01-16W Data Structures

4 credits
Monday Wednesday Thursday Friday 2:00 P.M. – 2:50 P.M.
Monday 11 January 2016 through Friday 22 April 2016
except Monday 18 January 2016 and Monday 29 February 2016 through Friday 4 March 2016
Final Exam: Thursday 28 April 2016 2:00 P.M. – 3:50 P.M.
3803 West Science Facility
Instructor: Andy Poe, 2230 John X. Jamrich Hall, (906) 227-1598

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This course is required for Computer Science and Mobile & Web Application Development majors. This course continues with the C++ programming language, specifically with the pointer manipulation necessary to work with sophisticated data structures; theoretical concepts are also covered.

Text: No Text.

Courseload: There will be frequent programming assignments. These will comprise 50% of your final grade. There will be weekly quizzes comprising a total of 10%. There will be two in-class exams each comprising 10%, and a final exam comprising 20%.

Laptop Policy: Although this is a Computer Science course, the use of a laptop in class is forbidden in class and on exams. There will be exceptions to this policy, such as when we install software or when we have lab days. But, in general, if I'm lecturing, no laptops, or any other distracting electronic equipment such as Walkmans, iPods, cell phones, etc.

Late Policy: Late programming assignments lose 10% per day (Monday, Wednesday, and Friday) until they are submitted.

Office Hours: Tuesday Wednesday Thursday Friday 10:00 A.M. to 11:00 A.M. and 3:00 PM. to 5:00 P.M., or by appointment. You are free to stop by my office anytime you like, within or without the posted office hours; however, I eat my lunch from 12:00 P.M. to 1:00 P.M., and I would appreciate it if you didn't visit then. Sometimes I have meetings during the posted office hours, and sometimes they are very sudden and unannounced, so you might not find me in my

office at these times. This is why you are welcome to drop by anytime (except 12:00 P.M. to 1:00 P.M.)

Electronic Contact: Feel free to contact me at any of the above addresses.

Statement on Plagiarism: Plagiarism is the submission of someone else's work as your own. It applies just as strongly when the work is to be written in a computer language as when it is written in a human language. All of the work you submit must be entirely your own. All of it. Your friends may not write code for you, nor may your classmates, nor tutors, nor professors. You may not use code found in books or online. All of your code must come from you. Period. Academic fraud is very serious and will be dealt with according to NMU policy. I reserve the right not to accept work that I do not believe comes from you, and I reserve the right to question you about your submitted work. If one student does the work assigned to another student, both students have committed academic fraud and will be dealt with as such.

Course Objectives: At the conclusion of this course, the successful student should be able to make sophisticated use of C++, specifically with respect to developing data structures. The student should demonstrate a solid grasp of recursion, and theoretical knowledge of more complex data structures such as self-balancing trees and hash tables.

Disability: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office by: coming into the office at 2001 C. B. Hedgcock; calling 227-1700; or e-mailing disserv@nmu.edu. 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.