Northern Michigan University
(Marquette Co, MI)
CS 222-61-21W: Data Structures

4 credits
Monday Wednesday Thursday Friday 10:00 A.M. – 10:50 A.M.
Wednesday 20 January 2021 through Friday 23 April 2021
Final Exam: Tuesday 27 April 2021 10:00 A.M. – 11:50 A.M.
Online
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 covers data structures, ways for a computer program to intelligently store and organize data. The class is taught in the C++ language.

Text: No Text.

Courseload: There will be frequent programming assignments. These will comprise 30% of your final grade. There will be weekly quizzes comprising a total of 60% of your grade. Attendance will comprise 10% of your grade.

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

Office Hours: I will be online from 8:00 A.M. to 6:00 P.M. on Monday, Wednesday, Thursday, and Friday. (Tuesday is my day off.) I teach at 10:00, 1:00, and 2:00, and Mondays and Tuesdays at 5:00 P.M. I may have other meetings that may arise at short notice. Otherwise, I will be in the Office Hours Zoom room. If I'm not in the Zoom room, I may be at a sudden meeting. You can wait a bit, or try back later. If I'm in the Zoom, but appear to be nonresponsive, just give a yell. I might be in the bathroom, or doing laundry or something. My wife and have lunch at 12:00, so I'd prefer it if you didn't drop by then, but the Office Hours room will be open nonetheless.

All office hours will be conducted over Zoom.

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 Dean of Students Office at 2001 C. B. Hedgcock Building (227-1737 or 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.

ATTENDANCE—IMPORTANT

Although this is an online class, it will be taught as though it were an in-person class, as much as it is possible. Attendance will be taken every day, and attendance will factor into your grade. Class will not be recorded, so you will need to take notes. The failure of the technology will not be accepted as an excuse for missing class.

We are living in crazy times, and everything is volatile right now. This syllabus is subject to change on a moment's notice, based on the global, national, state, local, and University situation. I will do my best to keep the course on track, no matter what. Please don't be a jerk about this!