

Northern Michigan University

(Marquette Co, MI)

CS 424-01-20F: Compilers: Theory & Practice

4 credits

Monday Wednesday Thursday Friday 12:00 P.M. – 12:50 P.M.

Monday 17 August 2020 through Tuesday 24 November 2020

except Monday 7 September 2020

1302 Weston Hall

Instructor: Andy Poe, 2230 John X. Jamrich Hall, (906) 227-1598

E-mail: apoe@nmu.edu

Facebook: [ComputersComicsACappella](#)

This course is an optional elective for Computer Science and Mobile & Web Application Development majors. This course covers the theory and implementation of a compiler.

Text: *flex & bison: Text Processing Tools* by John Levine.

Courseload: There will be frequent programming assignments. These will comprise 80% of your final grade. Attendance will comprise 20% of your grade.

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

Office Hours: Monday Wednesday Thursday Friday 11:00 A.M. to 11:50 A.M., 1:00 P.M. to 1:50 P.M., 3:00 P.M. to 3:50 P.M., or by appointment.

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 design and code a reasonably sophisticated compiler as demonstrate a facility with language theory.

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.

Mask Accommodation ADA Statement

Certain students may qualify for alternative face-covering accommodations due to a variety of health conditions. These students have gone through a qualifying process with the Office of Disability Services. Faculty have been notified of which students receive these accommodations in their class. If you have concerns regarding this topic please contact the faculty member outside of class. Please do not question or confront fellow students in the classroom who are using alternative or modified face coverings.

ATTENDANCE—IMPORTANT

Although this is listed as a face-to-face class, this class will be simulcast on Zoom every day. You need not attend in person if you do not wish to. You can choose in person or Zoom on a daily basis, and you need not inform me in advance of your choice.

In any event, attendance will be taken in person and on Zoom. You are required to be present in some form.

You **MUST** wear a mask and you **MUST** wear it properly if you attend class in person. If you attend class without a proper mask and refuse to wear it and refuse to leave, you will receive an automatic failure in the course. If you don't have a mask, or you forgot it, you can Zoom in from another location.

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.