

CSC 322: Systems Programming Spring 2025

Place and Time: TR 11:10 a.m. – 12:30 p.m.; Tuesdays sync online; Thursdays in Shineman 122

Instructor: Alex Pantaleev

Office: Shineman 441

Office / Lab Hours: R 3:40 p.m. – 4:40 p.m.; by appointment

Email: alex@cs.oswego.edu

Course Webpage: <http://www.cs.oswego.edu/~alex/teaching/csc322/>

Short Description: Computer systems programming, including assembly language. Standard operating system calls, standard C library functions, performance measurement, code optimization, advanced control flow mechanisms, processes, threads, and low-level I/O.

Objectives: Upon the successful completion of the course, the student will be familiar with the enduring concepts underlying computer systems from the programmer's point of view.

Textbook: *Computer Systems: A Programmer's Perspective*, by Bryant and O'Hallaron. **Required.**

Paper Quiz: There will be a paper-only pass/fail quiz administered early in the semester. **Students must pass the quiz in order to pass the course.**

Homeworks / Labs: There will be a total of four labs. There will also be regular web-based quizzes. **Students must receive at least one point on the first lab to pass the course.**

Exams: There will be a final examination during Finals' week.

Grading Policy:

- Final exam 30
- Labs 60 (4*15)
- Web quizzes 10

There is no curve. The grading scale is:

93 and up	A
90 to 92.99	A-
87 to 89.99	B+
83 to 86.99	B
80 to 82.99	B-
77 to 79.99	C+
73 to 76.99	C
70 to 72.99	C-
67 to 69.99	D+
63 to 66.99	D
60 to 62.99	D-
Below 60	E

Policies:

- Class sessions on Tuesdays will be held in a synchronous online fashion. Class sessions on Thursdays will be held in person.
- The *prerequisites* for this class are (CSC241 or CSC222) and **a sound background in programming with no AI tool use**. If you do not have the prerequisites fulfilled, it is recommended that you drop CSC322.
- Course assignments are to be electronically submitted.
- Assignments electronically submitted after 11:59pm of the due date will be considered late. It is possible to submit an assignment late by no more than a week with a 50% penalty. The last assignment cannot be submitted late.
- Assignments that do not compile will receive no credit.
- It is your responsibility to find out when the CS labs are open.
- *It is also your responsibility to check the course webpage and your email accounts regularly.*
- Do not distract your peers: turn off your cell phone / laptop sounds and other distractions before class.
- If you have a disabling condition that may interfere with your ability to successfully complete this course, please contact the Disability Support Services Office at (315) 312-3358 or DSS@oswego.edu .
- The use of Generative AI, LLMs, and the like are strictly forbidden for all course-related work. Any submitted and/or demonstrated work is expected to be produced solely by the student. For details, see below.
- Academic Misconduct Policy: Students must work individually on all assignments and projects, and must only submit their own work for evaluation. If assistance is necessary, the instructor can be contacted during office hours, by electronic mail or by making an appointment. Plagiarism, cheating, and the like will result in a failing grade for the course or, at the discretion of the instructor, in disciplinary action through the respective SUNY Oswego office. If a student cannot explain how or why he / she wrote a piece of code to the instructor's satisfaction or cannot recreate it without help, that piece of code is not considered the student's work and constitutes an academic integrity violation.