CSC 241: Abstract Data Types and Programming Methodology (CS2)
Spring 2025

Place and Time: TR 12:45 p.m. – 2:05 p.m.; Tuesdays sync online; Thursdays in Shineman 172

Instructor: Alex Pantaleev

Office: Shineman 441

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

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Course Webpage: http://www.cs.oswego.edu/~alex/

Short Description: Quick rehash of basic control flow and methods; Object-Oriented Programming with Java, Recursion, Asymptotic Notation, Sorting, Searching, Linked Lists, Stacks, Queues, Trees, Binary Trees, Binary Search Trees, Hash Tables

Objectives: Upon the successful completion of the course, the student will be familiar with modular design and object-oriented programming techniques; commonly used data structures; the design and implementation of abstract data types.

Textbooks: There is no required textbook.

Exams: There will be a final examination. Students *must pass* the final exam (grade > 60%) in order to pass the course.

Project / Homeworks: There will be a total of seven homeworks (approximately one every two weeks).

Grading Policy:

- Final Exam 30%
- Homeworks 10% each

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 CSC212 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 CSC241.
- 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.