

Fall 2023

CS 115: Introduction to Computer Science in C++

Jun Wu

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CS 115 Introduction to Computer Science in C++

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Office Hours: Fridays 2:40 pm – 3:40 pm

COURSE DESCRIPTION:

Fundamentals of computer science are introduced, with emphasis on programming methodology and problem solving. Topics include basic concepts of computer systems, software engineering, algorithm design, programming languages and data abstraction, with applications. The high-level language C++ is fully discussed and serves as the vehicle to illustrate many of the concepts.

Online Textbook: zyBooks

Instruction to subscribe:

1. Sign in or create an account at learn.zybooks.com

2. Enter code **NJITCS115WuFall2023**

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Reference Book:

Problem Solving with C++, 10th Edition by Walter Savitch (Pearson 2018)

ISBN: 978-0-13-44828-2

Brief List of Topics to be Covered:

1. Introduction to C++
2. Variables / Assignments
3. Branches
4. Loops
5. Arrays / Vectors
6. User-Defined Functions
7. Objects and Classes

Grading:

Attendance	10%
Participation Activities	10%
Challenge Activities	20%
Lab Activities	25%
Final	35%
=====	
TOTAL	100%

Academic Integrity Policy

All course work, including exams, assignments, labs, projects must be done by student themselves. Sharing materials with classmate, especially programming work including logic, and/or modifying the materials to fabricate and reproduce other versions is very seriously treated based on the NJIT University Policy on Academic Integrity.