CS 115 Introduction to Computer Science in C++
Instructor: Dr. Jun Wu
Email: jw65@njit.edu
Office: GITC 2114
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**

3. Subscribe

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%
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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.