Department of Information Systems and Statistics
Baruch College Zicklin School of Business, City University of New York
CIS 3100 – Object Oriented Programming I
SYLLABUS

CLASS SECTION	DAYS / TIMES	WHERE
CTRA (hybrid)	T, Th 10:45 AM-12:00 PM	Tuesday classes are online-synchronous Thursday classes are in person, Room 5-175
ETRA (hybrid)	T, Th 2:30-3:45 PM	Tuesday classes are online-synchronous Thursday classes are in person, Room 10-150

Instructor: Professor Linda Weiser Friedman	Email: Linda.Friedman@baruch.cuny.edu
Office: 11-228 (NVC)	Alternate Email: Prof.Friedman@gmail.com (preferred)
Office hours: Tuesdays, Thursdays 12:00-12:30 PM, 3:45-4:15PM & by appointment.	

Course materials may be found at https://cpp.proffriedman.net/
Textbook: Any book which introduces new programmers to C++ programming using the "late objects" approach. *Good example, and useful reference*: Gaddis, Tony. *Starting Out with C++: From Control Structures through Objects*.
Also recommended: Hubbard, John R. *Schaum's Outline of Programming with C++.* McGraw Hill, 2000.
Recommended Software: Microsoft Visual Studio (C++)

TENTATIVE COURSE OUTLINE

A more up-to-date week-by-week Course Outline may be found at https://cpp.proffriedman.net/Fall2025

Week	Topic	Gaddis
1	Course Overview, Introductory Concepts, Hardware, Software, the Programming Process, Types of programming languages, Integrated Programming environment Introduction to C++ programming: identifiers, operators, types, *cout*, writing our first programs, programming style	Ch. 1 Ch. 2
2	Controlling execution: Expressions. Formatting output. Debugging. Controlling execution: Decisions. Scope.	Ch. 3 Ch. 4
3	Controlling execution: Loops. Counters. Nested loops. Using files.	Ch. 5
4	Exam #1	
5	Program design: what makes a good program? program structures, data structures, stepwise refinement. Possibly start Functions.	
6	Exam #2	Ch. 6
7	Program design: Defining and using Functions	
8	Data design: Using Arrays (1-dimensional)	Ch. 7
9	Strings	Ch. 10
10	Data design: Structures (records); File I/O	Ch. 11, 12
11	Exam #3	
12	Pulling it all together: Objects and Classes	Ch. 13
13	Objects and Classes, continued.	Ch. 14
14	Review	
	Final Exam (35%)	

Tentative Grading Plan (subject to change):

Exams and quizzes– 50% Final exam – 35% Programming Assignments – 10%
Class participation (does not include attendance) – 5%

Homework: There will be approximately 10-12 programming assignments for homework in this class. Before you submit a HW assignment, make sure you check the Programming Assignment Guidelines on my course website. You are encouraged to collaborate with your classmates, but you must include a statement in your code (as a comment) stating the name(s) of people with whom you have collaborated. If you fail to do so, it will be considered cheating and your case will be sent to the Office of the Dean of Students. Do not directly copy the code from your collaborator or from any on-line resource. Put simply, you need to write your own code.

ACADEMIC HONESTY: The Department of Statistics & Computer Information Systems fully supports Baruch College's policy on Academic Honesty, which states, in part: "Academic dishonesty is unacceptable and will not be tolerated. Cheating, forgery, plagiarism and collusion in dishonest acts undermine the college's educational mission and the students' personal and intellectual growth. Baruch students are expected to bear individual responsibility for their work and to uphold the ideal of academic integrity. Any student who attempts to compromise or devalue the academic process will be sanctioned." Additional information may be found at
http://www.baruch.cuny.edu/academic/academic_honesty.html
Also: "The use of artificial intelligence (AI) is strictly prohibited in all coursework and assignments. This includes, but is not limited to, the use of AI-generated text, speech, or images, as well as the use of AI tools or software to complete any portion of a project or assignment. Any violations of this policy will result in disciplinary action, up to and including a failing grade for the assignment or course. Our goal is to encourage critical thinking and creativity, and the use of AI detracts from this objective. Students are expected to use their own knowledge, research and analysis to complete coursework."