

*Department of Statistics & Computer Information Systems
Baruch College Zicklin School of Business
City University of New York
Spring 2015*

CIS 4100 – Object Oriented Programming II

Course materials: <https://sites.google.com/site/proffriedmanCplusplus/>

Instructor: Professor Linda Weiser Friedman
Office: 11-228 (VC)
Phone: 646-312-3361 (Email is better)

Email: Linda.Friedman@baruch.cuny.edu
Alt. email: proffriedman@gmail.com
Office hours: TBA

This is a hybrid class. Some classes are replaced with online work. More on this to follow.

- Textbook: Gaddis, Tony. *Starting Out with C++: From Control Structures through Objects*, 8th edition. Pearson, 2014.
- Recommended text: Hubbard, John R. *Schaum's Outline of Programming with C++*. McGraw Hill, 2000. For students who need a little bit extra, there are a lot of solved examples in this workbook.
- Software: Any C++ compiler. MS Visual C++ may be downloaded from <http://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?ws=499f8e3c-c09b-e011-969d-0030487d8897>

DYNAMIC COURSE OUTLINE (subject to change)

Week	Topic	Liang (3 rd ed.)
1-3	Review of Basic OO Programming. I/O. Files.	Ch. 1-6
3	Exam #1.	
4, 5	Objects and Classes. Separate compilation.	Ch. 9-10
6	Arrays. Searching and Sorting.	Ch. 7-8
7	Strings and text processing.	
8	Pointers. Dynamic data structures: stacks, queues, linked lists	Ch. 11+
9	Review / Exam #2.	
10	File I/O	Ch. 13
11	Operator Overloading	Ch. 14
12	Inheritance and Polymorphism	Ch. 15
13	Virtual Functions. Templates	Ch. 12
14	Review for Final Exam	
	Final Exam	

Grading:

First exam – 20%
Second exam – 25%
Final exam – 35%
Programming Assignments – 15%
Class participation – 5%

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