

*Department of Statistics & Computer Information Systems  
Baruch College Zicklin School of Business  
City University of New York  
Spring 2014*

CIS 4100 – Object Oriented Programming II

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

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- Textbook: Daniel Liang, *Introduction to Programming with C++*, 2<sup>nd</sup> or 3<sup>rd</sup> Edition. Pearson.
- 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.onthefhub.com/WebStore/ProductsByMajorVersionList.aspx?ws=499f8e3c-c09b-e011-969d-0030487d8897>

DYNAMIC COURSE OUTLINE (subject to change)

Week	Topic	Liang (3 <sup>rd</sup> ed.)
1-3	Review of Basic OO Programming. I/O. Files.	Ch. 1-6
4	Review / Exam #1.	
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 (35%)	

Grading:

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

Other Resource of Interest: ACCU - Association of C and C++ Users - <http://www.accu.org/>

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