HUNTER COLLEGE
DEPARTMENT of COMPUTER SCIENCE

Test Out Curriculum Summary

CSCI 135

Exam Format:

The student should be prepared to take an examination that tests thoroughly all areas covered by the course, and that requires the student to write correct, documented C++ code to solve several problems. The content areas of the course are described below.

1. The student will be expected to be able to read and analyze C++ programs, and to answer questions about the logic, semantics, and syntax of such a program.

Content:

1. Procedural abstraction, overloading, extent and scope of variables, call-by-value and call-by-reference.

2. Classes, member variables and functions, constructors, public inheritance, data abstraction.

3. Conditional and iterative control constructs.

4. Pointers, de-referencing, dynamic memory allocation.

5. Arrays, string handling.

6. File streams.

Recommended Reading:

Deitel & Deitel: *C++ - How to Program* (5th Ed.), Prentice-Hall

For students with some knowledge of C++, a good brush-up book is:
Winston: *On to C++*, Addison-Wesley