CSCI 111 ICE C++ EXAM

The knowledge and skills required to pass the exam include the non-object-oriented aspects of C++, and the skill to use these concepts in a programming application.

The topics covered include:

1. Basic C++ terminology
2. Basic C++ syntax
3. Hardware versus software component distinctions
4. Data types (including the string class), declarations, assignments, expressions
5. Selection and iteration constructs
6. Stream input-output for keyboard, display, and files
7. Switch statement
8. Scope and lifetime
9. Preprocessor usage (specifically the #include statements)
10. Binary to hex, hex to binary, decimal to binary, binary to decimal number conversions
11. Using namespace
12. Functions, function prototypes, and parameter passing
   a. Value versus reference parameters
13. Static arrays (one and two-dimensional)
14. structs
15. typedef
16. Enumerations

The exam consists of two parts: a written component focusing on the topics listed above, and a coding assignment requiring the writing of a program in C++ typical of the “end of semester” projects in CSCI 111. The written exam consists of fill-in-the-blank, True/False, Multiple Choice, and questions requiring the reading of code segments and explaining their output, or writing of code segments to perform a specific task (e.g., summing the odd integers from 1 to 100). The coding assignment must be completed in two days.

The written exam contains approximately 35 questions.


http://www.youtube.com/watch?v=WYbeLBVG34I&playnext=1&list=PLA68C1F33757B4A38

http://wwwcplusplus.com/doc/tutorial/

http://www.cprogramming.com/tutorial.html