

CSC 1100 – Problem Solving and Programming – Section 2

Final Exam Information – Fall 2017

Final exam

- The final exam is Tuesday, December 19, 2:45pm-4:45pm.
- The final exam will take place:
 - ✓ In Science Hall 1109 for students whose last names begin with A-K.
 - ✓ In Science Hall 2009 for students whose last names begin with L-Z.
- The final exam will cover the following topics from book chapters 6-9 and 12 (first half), and in-class material:

Chapter 6

Function
Pre-defined functions
Programmer-defined functions*
Void and value functions
Parameters / formal parameters
Arguments / actual parameters
Value and reference parameters*
Function prototype
Variable scopes: local and global
Scope resolution operator
Function flow
Variable types: automatic and static
Driver program and function stubs
Function signature
Function overloading
Default parameter value*

Chapter 7

Enumerated type
Enumerated type declaration*
Enumerated type variable*
Enumerated type as parameter and return type
Header files
Namespaces
String functions*

Chapter 8

Data structures
Arrays*
Array declarations*
Array subscripts*
Array initializations
Array copying

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Array as parameter and return type
Keyword const in parameter
Arrays and for statement
Array out-of-bounds error
Linear search*
Selection sort
Binary search
Partially-filled arrays
Parallel arrays
Two-dimensional arrays
Nested loops
Two-dimensional array as parameter
C-strings
C-string functions

Chapter 9

structs
struct declarations*
struct variable declarations*
struct members*
Assignment statements for struct variables
Comparing and printing struct variables
struct variables as parameters and return types
Arrays within structs
structs within arrays
structs within structs

Chapter 12 (first part)

Address-of operator*
Pointer variables
Pointer variable declarations
Dereferencing / indirection operator*

- The Final exam will be a combination of:
 - True-or-false
 - Fill-in-the-blank
 - Short answer
 - Extra credit
- You may use one side of one 8.5"x11" sheet of paper for notes. Please submit your paper of notes along with your completed exam. Make a copy for yourself if necessary.