# Final Study Guide – COP2253

* True/False questions - Chapter 1 - 7
* Multiple Choice - Chapters 1 - 7
* Code Comprehension - You are given code and must enter the resulting output. Chapters 1 - 7
* Debugging - You are given code with errors. You must find and explain the errors in the code. Chapters 1 - 7
* Programming - You will write code. Some concepts involved will be

1. Creating classes and methods
   1. Constructors
      1. Default
      2. Parametrized
   2. Static methods
   3. Accessor methods
   4. Mutator methods
   5. Parameters and arguments
      1. int
      2. string
      3. arrays
      4. return values
         1. int
         2. string
         3. arrays
         4. void
   6. Variables
      1. Instance variables
      2. Constants
2. Using classes and calling methods
   1. Creating an object
   2. Calling a method
      1. Passing arguments
      2. Store returned values
3. Creating and using arrays
   1. Inserting and removing items
   2. Sorting elements of an array
   3. Filter and return elements based on conditions
   4. Determining the size of an array
4. Console Input and Output
5. Evaluation
   1. If, Else if
   2. Case/Switch
6. Loops