

## CECS 282 - Homework 5

Complete these problems on a separate sheet of paper. Due February 26.

1. Reading from *C++ How to Program*:
  - (a) *Skim* Chapter 3.2, 3.3, 3.4
  - (b) Chapter 3.5, **3.6**, 3.7, 3.8
2. From *C++ How to Program*, do Exercise 3.11 in the Exercises section under Chapter 3. However, use the `GradeBook` class from lecture, not from the book's examples; note that we have a method called `PrintGreeting` instead of the book's method `displayMessage`. Use a `.h` file for the class declaration and a `.cpp` file for the definitions, as shown in lecture.
3. From *C++ How to Program*, do Exercise 3.15 in the Exercises section under Chapter 3. Make sure you enforce the restriction on the month variable in both the constructor and the mutator.
4. In your own words, describe the difference between a *class* and an *object*.
5. Using your class from question 3, show with code how to declare an object to represent the date of October 10, 2014. Then draw a stack frame layout for your object; show its member variables and their current values, following the class standard for the order that member variables go into a stack frame.