

CST8110 - Introduction to Programming

Lab Exercise #4 – Classes

DUE: This lab should be completed and demonstrated no later than the end of March 2nd

Rewrite a solution to Assignment #1 using classes. You may use your solution to Assignment #1 as a starting point, or you may use my posted solution.

Your class must be called **MarkCalculator**. It should contain double (or float) fields for each of the marks. You must have the following methods:

- Default constructor – that prints the title
- getValues** – prompts user for individual marks
- calculateGrades** – calculates the **practical**, **theory** and **final** grades (Note: ALL calculations are done here)
- displayGrades** – displays the three grades (exact same results as Assignment #1)

Rewrite your main method to declare an object of this class, and then call the methods on the object.

Pictorially it would look like this:

