COMP 2401 -- Assignment #2 Grading Scheme
Fall 2014

Data type: 25%

3 marks: data type defines number of course components

8 marks: data type defines course components

      2 marks: correct data type for elements

      3 marks: correct definition of first dimension

      3 marks: correct definition of second dimension

3 marks: data type defines number of weighting schemes

11 marks: data type defines weighting schemes

      3 marks: correct data type for elements

      4 marks: correct definition of first dimension

      4 marks: correct definition of second dimension

Deduction: all 25 marks if the structure is defined but not used in the code

Functionality: 75%

10 marks: declares weighting scheme variable locally in main

10 marks: gets course components

      5 marks: prompts user and reads in course components

      5 marks: adds each course component to array in weighting scheme variable

25 marks: get weighting schemes

      10 marks: prompts user for weighting schemes

            5 marks: uses component name in prompt

            5 marks: reads in weighting scheme data

      5 marks: checks that all weights for one weighting scheme add up to 100

      10 marks: adds each weighting scheme to 2D array in weighting scheme variable

            5 marks: adds to new element in first dimension

            5 marks: adds to correct component in second dimension

10 marks: gets user grades

      5 marks: uses component name in prompt

      5 marks: reads in grades data

20 marks: computes final grades

      5 marks: examines each weighting scheme

      5 marks: examines each weighting scheme's component weight

      5 marks: accumulate each weight to grade for current scheme

      5 marks: print out grade for current scheme to screen

Deductions:
- 20 marks if main is the only function, or if weighting scheme variable is declared globally or passed by value
- full marks for each of the above that cannot be tested because the code does not compile or run

Deductions and Bonus marks
- Up to 50 marks deduction for any of the following:
  - the code does not compile using gcc in the VM provided for the course
  - the code cannot be tested because the program doesn't run
- Up to 20 marks deduction for any of the following:
  - the readme file is missing
  - global variables are used
  - structures are passed by value
- Up to 10 marks deduction for missing comments or other bad style (non-standard indentation, etc.)
- Up to 5 bonus marks for fun and creative additional features