16.216: ECE Application Programming

Program Grading Guidelines

1. Acknowledgements

This grading rubric has, for all intents and purposes, been copied directly from the UMass Dartmouth ECE 160 rubric, with some minor modifications. Thanks to Prof. Phil Viall and Ben Viall for allowing me to use their work.

2. Grading breakdown

This rubric will be used unless explicitly specified otherwise in the program handout. Although some of these items may seem "picky," they are included to ensure that programs can be graded in a reasonable amount of time.

Correct submission name10%
Each program has a specified name that must be used when submitting your files. This
name will be listed in the assignment, typically in the form "prog#_progname.c". If a
program requires multiple files (for example, header and source files), multiple
filenames will be listed. The name(s) you use must match the given name(s) exactly
(pay attention to upper/lower case, etc). The quote marks are not part of the name.

Appropriate looking code20%
Appropriate looking code is code which appears (to me) related to the given problem. In
addition, all code must be consistently indented, all variables and constants should have
descriptive names, and variables and constant names should use a consistent
capitalization scheme.

Successful compilation109	%
The code compiles without any fatal errors/warnings that prevent it from working.	

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Examples (not an exhaustive list, and assuming a max of 100 points):

- You write a bunch of code which looks like you've been thinking about the problem and hand in a correctly named program, with OK documentation...you would earn a score of 40 points.
- You write a bunch of code which looks like you've been thinking about the problem (and it compiles) and hand in a correctly named program, with OK documentation and no output...you would earn a score of 50 points.
- You hand in a perfect program with the wrong name...80 points
- You hand in a perfectly running program with no documentation...90 points

3. Deductions

Incorrect name for associated data file-10% Some programs will require your program to read and/or write a file. The name of the file will be specified in the handout. Your program must use this exact file name.

In some projects there will be some type of command interface. This command interface is part of the specification, and must be followed to avoid loss of credit. Making the program more "user friendly" will not result in a higher score (it will likely lower your score). Following the specification will earn you the maximum number of points.

Examples (again, not an exhaustive list):

- You hand in a perfect program...
 - o 1 day late.....99 points $(-2^{1-1} = -1)$
 - \circ 2 days late...98 points (-2²⁻¹= -2)
 - \circ 3 days late...96 points (-2³⁻¹= -4)
 - \circ 4 days late...92 points (-2⁴⁻¹= -8)
 - \circ 5 days late...84 points (-2⁵⁻¹= -16)
 - o 6 days late...68 points $(-2^{6-1} = -32)$
 - \circ 7 days late...36 points (-2⁷⁻¹= -64)
 - \circ 8+ days late...0 points (-2⁸⁻¹= -128)
- You hand in a program 3 days late, and the decimal points in your output do not line up as the problem specifies...86 points (-4 late, -10 output)