

**HW 00 CMSC 250**

**Morally Due Jan 31 at 9:00AM. Dead-Cat Due Feb 2 at 9:00AM  
WARNING- THIS HW IS FOUR PAGES LONG**

1. (24 points- 2 points each) READ the Syllabus before doing this problem.
  - (a) When is the untimed part of midterm one due? Give date and time.
  - (b) When is the timed midterm one. Give date and time.
  - (c) When is the untimed part of midterm two due? Give date and time.
  - (d) When is the timed midterm two. Give date and time.
  - (e) When is the untimed part of the final due? Give date and time.
  - (f) When is the timed part of the final due? Give date and time.
  - (g) What is *the dead-cat policy*?
  - (h) Why is it called *the dead-cat policy*?
  - (i) What is the *Mask Policy*?
  - (j) When are Emily's Office Hours?
  - (k) When are Bill's Office Hours?
  - (l) Name all of the ways you can communicate with Emily and Bill.

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2. (36 points-12 each) Learn Python 3 and write a simple program in it before doing this problem.
- (a) Name a PRO of Python.
  - (b) Name a CON of Python.
  - (c) What did your program do?

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3. (0 points but do it anyway. This is the most important problem on this HW!)
  - (a) Learn LaTeX and write some simple documents in it.
  - (b) Write a LaTeX document that summarizes the lecture on Propositional Logic. The document should include a truth table (so you get practice doing LaTeX tables) and some formulas on the variables  $x_1, x_2, x_3$  (so you get practice typesetting mathematics).

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4. (40 points) Read Vannevar Bush's paper from July 1945:

<http://web.mit.edu/STS.035/www/PDFs/think.pdf>

Write down two predictions he made that came true.

(Note- this is not a paper in Discrete Math but it is such a good paper that every undergraduate should read it!)