

# CSCI 3194 (Seminar (UNIX Power Tools)), Fall 2014

## Homework 5

**Credit:** 20 points.

### 1 Reading

Be sure you have read the assigned readings for classes through 11/12.

### 2 Programming Problems

Do the following (sort-of-)programming problem. Turn in the requested files by sending mail to `bmassing@cs.trinity.edu`, with each of your files as an attachment. Please use a subject line that mentions the course number and the assignment (e.g., “csci 3194 homework 5”). You can do this assignment on any system that provides the needed functionality, but I will check it (by “compiling” your `.tex` source) on one of the department’s Linux machines, so you should probably make sure it works in that environment before turning it in.

1. (20 points) Create a  $\text{\LaTeX}$  document with the following:
  - Required: A title/author/date header with your name, the date you finish the assignment, and a title of your choice.
  - Required: A section called “List Examples” containing two lists (bulleted or numbered): a list of (some) things you learned from the reading and think you might find useful, and a list of (some) things you would like to be able to do in a document and don’t (yet) know how to do with  $\text{\LaTeX}$ .
  - Required: A section called “Table Examples” containing a table showing your schedule for this semester. Use the `tabular` environment; optionally, make the table a floating table.
  - Required: A section called “Cross-Referencing Examples” in which you use `\ref` commands to reference the above sections. (E.g., you want to end up with something such as “My table example is in section X”, where X is whatever section it’s in.)
  - Required: A section called “Examples of Other Things” containing at least one example of a mathematical formula, a graphical figure, or some other  $\text{\LaTeX}$  feature you find interesting. You should be able to read about these in the “not so short introduction” document.
  - Optional: Anything else you think is interesting — a table of contents, a list of figures, a bibliography, etc., etc. I will give extra points for anything that seems to go well beyond the minimum requirements.

Turn in (by e-mail) (1) your `.tex` source and any other files needed to recreate your document (figures, e.g.), and (2) formatted output (PostScript or PDF).

(If you find this assignment very easy because you’ve used  $\text{\LaTeX}$  for another project, try to go beyond what you’ve done before.)

(**Note:** In class I mentioned that there are several IDE-like environments for  $\text{\LaTeX}$ . For this assignment, I recommend that you not use one of them, however; I think you will learn more by writing the  $\text{\LaTeX}$  source with a simple text editor.)

**Hints:** I recommend using the `article` style. You are welcome to cut and paste text from the sampler document linked from the [sample programs page](#)<sup>1</sup>. This document also contains instructions for compiling, viewing, and printing  $\text{\LaTeX}$  documents.

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<sup>1</sup>[http://www.cs.trinity.edu/~bmassing/Classes/CS3194\\_2014fall/SamplePrograms/index.html](http://www.cs.trinity.edu/~bmassing/Classes/CS3194_2014fall/SamplePrograms/index.html)