Written Assignment 3

The purpose of this assignment is to prepare a five to seven pages LaTeX tutorial in which the basic features of LaTeX are introduced and explained. The requirements for this assignment are as follows.

- Modify the article document class, so that it produces two columns per page in 11pt font size. For this, use the command

  `\documentclass[11pt,twocolumn]{article}`

- Your document should have a title and your name as the author.

- Your document should contain a short introductory section explaining what LaTeX is all about and highlighting some of its features.

- Your document should also include succinct information about the following features of LaTeX.

  - Document classes (describe at least three).
  - How to make a title and a list of authors and their affiliations (this should go beyond what was discussed in class).
  - Sections, subsections, sub-subsections, paragraphs, and their labeling.
  - Environments, including the *tabular* environment (describe at least three environments).
  - Mathematical formulas.
  - User-defined macros (give at least three interesting examples, all different from the ones discussed in class).
  - Bibliography and citation.
  - At least one additional feature of LaTeX that you find worth including in your tutorial (e.g., creating figures, graphing data, making an index for a thesis or book).

- Your document should contain a bibliography listing a few references with information about LaTeX.

Timetable
(All deadlines are before midnight)

- First draft due on Saturday January 27, 2018.

- Peer editing and feedback due on Tuesday January 30, 2018.

- Final draft due on Thursday February 1, 2018.

- Final review and peer grading due on Saturday February 3, 2018.

What to submit

- For the draft, please submit just the pdf file with your tutorial.

- For the final submission, please submit a zip file containing the pdf file, the source LaTeX file, and the .bib file with the references you used to generate the sample bibliography in your tutorial.

Note:

- If you do not submit a draft assignment, you will not be allowed to submit the final version of the assignment (and you will receive no credit for this assignment).

- The text of the tutorial with the description of features should be your own - *no* copy-and-paste from other sources.