Department of Electrical and Computer Engineering

MS Thesis/PhD Dissertation Template Instructions

Here you find the MS thesis and PhD dissertation LaTeX templates for the ECE Department, Northeastern University.

1. The same template is used for MS thesis and PhD dissertation. By default, an MS thesis is produced. To change to a PhD Dissertation modify the file thesis.tex and change the line:

   \documentclass[ ]{macro/neu_msthesis}

   to

   \documentclass[PHD]{macro/neu_msthesis}

2. The file thesis.tex allows easy configuration of all common aspects of the thesis/dissertation. Examples include: author name, title, etc. Please see the definitions and descriptions in thesis.tex. **Please note that this template DOES NOT generate the signature page!** To get the signature page you need to download them from the following links, complete them and include in the final version of your thesis or dissertation.

   MS: www.coe.neu.edu/sites/default/files/pdfs/coe/gse/ThesisSignature.pdf

   PhD: www.coe.neu.edu/sites/default/files/pdfs/coe/gse/DissertationSignature.pdf

3. Please put all style files that you need to use in the macro folder and call them using the macro.tex file in this folder.

4. All latex source files corresponding to different chapters go in the tex folder. All figures go in the fig folder and all bibliography-related files in the bib folder.

5. Both pdf and eps graphics can be used; although pdf is preferable. If eps files are used, they will be converted to pdf on the fly. It is recommended that you run your source file with pdflatex (alternatively you can use latex+dvips+ps2pdf but you should be aware that this path cannot handle pdf graphics files.)

6. You need to run bibtex and makeindex to generate the bibliography and the index.

7. CTAN (the Comprehensive TeXArchive Network) is the source of almost everything that you need for your thesis. You can access CTAN at www.ctan.org. The following packages are needed, if you do not already have them, make sure to download them from CTAN and put them in a path that your LaTeXimplementation can find them:

   - amsfonts
   - amssymb
   - amsmath
   - times
   - bm

- multirow
- makeidx
- acronym
- url
- graphicx
- epstopdf
- hyperref
- microtype

8. A great (in my opinion) and free integrated LaTeXenvironment for Windows is TeXnic-Center (download from www.texniccenter.org). A great help for writing LaTeXcan be found at en.wikibooks.org/wiki/LaTeX

Enjoy the writing!