

Instructions for Using the LaTeX ETDR Template

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This template uses a separate file for each section of your ETDR: title page, abstract, preface, chapters, reference, etc. This makes it easier to organize and work with a lengthy document. The template is configured with page margins required by the Graduate School and will automatically create a table of contents, lists of tables and figures, and PDF bookmarks.

Although the template gives you a foundation for creating your ETDR, you will need a working knowledge of LaTeX in order to produce a final document. You should be familiar with LaTeX commands for formatting text, equations, tables, and other elements you will need to include in your ETDR.

How to obtain the LaTeX template

The template is available at

http://www.k-state.edu/grad/etdr/template/latex_source.zip

Installing Template Files

After you have downloaded and saved the file, unzip the file into a directory named "latex_source." This will create the files and subdirectories listed below.

- etdrtemplate.tex
This is the primary file for processing your ETDR. It contains \input commands to assemble various sections of your ETDR into a single document. Depending on the content and structure of your ETDR, you may need to make minor changes to the commands in this file. None of the actual text of your ETDR, however, is contained in this file. This is the file you will need to process in order to produce a PDF version of your LaTeX document.
- class_diss.cls
- mydiss.cls
- abstracttitle.tex
- abstract.tex
- title.tex
- copyright.tex
- acknowledge.tex
- dedication.tex
- preface.tex
- chapter1.tex
- references.bib
- appendixa.tex
- appendixb.tex

Subdirectory: styles

This subdirectory contains files for a number of different citation styles for your references. Default setting is for American Institute of Physics (AIP) style.

Subdirectory: figures

Place any image files you may use as figures in this subdirectory.

ETDR Sections

Your ETDR is made up of several sections. Some sections are required, others are optional. Most of these sections correspond to a specific .tex file. The Table of Contents, List of Figures, and List of Tables, however, are generated automatically and do not have a corresponding .tex file.

Listed below are all required and optional ETDR sections and the corresponding files. The file etdrtemplate.tex is configured to assemble these sections in the prescribed order. To create your ETDR, you will need to add your content to the appropriate section file. Within each file, guidelines are provided (as comments) for adding your text.

Abstract Title Page

Required only for doctoral dissertations

File: abstracttitle.tex

Abstract Page

Required only for doctoral dissertations

File: abstract.tex

Title Page

Required

File: title.tex

Copyright Page

Optional

File: copyright.tex

Abstract

Required

File: abstract.tex

Table of Contents

Required

The Table of Contents is generated automatically

List of Figures
Required
Generated automatically

List of Tables
Required
Generated automatically

Acknowledgements
Optional
File: acknowledge.tex

Dedication
Optional
File: dedication.tex

Preface
Optional
File: preface.tex

Chapters
Required
File: chapter1.tex
Create new files, based on chapter1.tex, as needed for additional chapters.

Conclusion
Required
File: Create a new file based on chapter1.tex. Your final chapter should serve as your conclusion.

References
Required
File: references.bib

Appendices
Optional
File: appendixa.tex, appendixb.tex
Files are provided for two appendices. Create new files as needed for additional appendices.

Processing Your Files

Since your ETDR needs to be submitted in PDF, the template is designed to be processed with PDFLaTeX. The template will not process with LaTeX.

In order to process your files, you will need these items:

- BibTeX
- Packages
 - amsmath
 - graphicx
 - amssymb
 - amsthm
 - latexsym
 - color
 - natbib
 - hypernat
 - hyperref
- A text editor

If you're using a Windows computer, you will need to download and install MiKTeX, a free TeX implementation for Windows. MiKTeX includes PDF LaTeX, BibTeX, and all the packages listed above.

WinEDT is a text editor optimized for working with LaTeX. It's a free download, but there is a \$30 fee for students to register the software. Another editor that works well with LaTeX is Crimson Editor, which is freeware.

- Crimson Editor
<http://www.crimsoneditor.com/>
- MiKTeX
<http://www.miktex.org/>
- WinEDT
<http://www.winedt.com/>

Your department may have other LaTeX resources available for you to use.

For Further Information

If you're new to LaTeX, you may find these resources useful:

- Not So Short Introduction to LaTeX 2e
<http://people.ee.ethz.ch/~oetiker/lshort/lshort.pdf>
Good overview of LaTeX and introduction to basic commands. Includes many examples.
- Formatting information: A beginner's introduction to typesetting with LATEX
<http://www.tex.ac.uk/tex-archive/info/beginlatex/html/>

Comprehensive workbook from a 2-day training course on LaTeX. Covers installing LaTeX, basic document structures, commands, etc. PDF version:
<http://www.tex.ac.uk/tex-archive/info/beginlatex/beginlatex-3.6.pdf>

- Hypertext Help with LaTeX
<http://www.giss.nasa.gov/tools/latex/>
Quick reference by subject, command, and environment

If you have questions about using the template, contact the IT Help Desk, 214 Hale Library, 785-532-7722.