

UF ETD L^AT_EX 2_ε THESIS AND DISSERTATION TEMPLATE TUTORIAL

By

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A TUTORIAL PRESENTED TO THE GRADUATE SCHOOL
OF THE UNIVERSITY OF FLORIDA IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF THE UNIVERSE

UNIVERSITY OF FLORIDA

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I dedicate this to everyone that helped revamp this template. Aliquam molestie sed urna quis convallis. Aenean nibh eros, aliquam non eros in, tempus lacinia justo. In magna sapien, blandit a faucibus ac, scelerisque nec purus. Praesent fermentum felis nec massa interdum, vel dapibus mi luctus. Cras id fringilla mauris. Ut molestie eros mi, ut hendrerit nulla tempor et. Pellentesque tortor quam, mattis a scelerisque nec, euismod et odio. Mauris rhoncus metus sit amet risus mattis, eu mattis sem interdum.

ACKNOWLEDGMENTS

Thanks to all the help I have received in writing and learning about this tutorial. Acknowledgments are required and must be written in paragraph form. This mandates at least three sentences.

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Abstract of Tutorial Presented to the Graduate School
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UF ETD L^AT_EX 2_ε THESIS AND DISSERTATION TEMPLATE TUTORIAL

By

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Chair: James B. Albury

Major: Electronic Thesis and Dissertations

Abstracts should be less than 350 words. Any Greek letters or symbols not found on a standard computer keyboard will have to be spelled out in the electronic version so try to avoid them in the Abstract if possible. The best way to compile the document is to use the `make_xelatex.bat` file. If you are using Linux or Macintosh Operating Systems there are examples of make files for these systems in the Make Files Folder but they may be outdated and need to be modified for them to work properly. This document is the official tutorial outlining the use and implementation of the UF L^AT_EX2_ε Template for use on thesis and dissertations. The tutorial will cover the basic files, commands, and syntax in order to properly implement the template. It should be made clear that this tutorial will not tell one how to use L^AT_EX2_ε. It will be assumed that you will have had some previous knowledge or experience with L^AT_EX2_ε, but, there are many aspects of publishing for the UF Graduate School that requires attention to some details that are normally not required in L^AT_EX2_ε.

Pay particular attention to the section on references. NONE of the bibliography style files (.bst) are an assurance that your document's reference style will meet the Editorial Guidelines. You MUST get a .bst file that matches the style used by the journal you used as a guide for your references and citations. The files included in this document are examples only and are NOT to be used unless they match your sample article exactly!

You should have a .bib file (we have included several examples) that contains your reference sources. Place your .bib file in the bib folder and enter the name of the file in the list of bib files, or enter your reference information into one of our existing .bib files if you don't already have one. Just make sure to preserve the format of each kind of reference. Each time you cite a reference you enter the "key" (the first field in the reference listing in the .bib file) associated with that reference. During the compilation process LaTeX will gather all the references, insert the correct method of citation and list the references in the correct location in the proper format for the reference style selected.

CHAPTER 1 INTRODUCTION AND OPENING REMARKS

We don't make the Chapter titles in All Caps Automatically because it is easier for you to type your Chapter Titles in uppercase than for those that need to have mixed case in their titles to find the correct command in the `ufthesis.cls` file and change it there. * We don't recommend that you change much of anything in the class file unless you're absolutely sure of what your are doing.¹

1.1 The Section Command Text Should Be in Title Case

Title case is where all principal words are capitalized except prepositions, articles, and conjunctions. [?]

1.1.1 Subsection Commands Are Also in Title Case

The difference, of course, are the second level headings are left-aligned

1.1.1.1 Subsubsections are in sentence case

The third level subheadings are left-aligned but in sentence case. Only the first letter and any proper nouns are capitalized. [?]

1.1.1.2 If you divide a section, you must divide it into two, or more, parts

Paragraph headings. There is no official fourth level heading. Do not use the Paragraph heading feature in LaTeX, simply apply the bold characteristic to the first few words of a paragraph followed by a colon or period.

1.1.2 I Need Another Second Level Heading in This Section

Aliquam mi nisi, tristique at rhoncus quis, consectetur non mi. Phasellus blandit quam ligula, a viverra lacus commodo at. In iaculis nisl vel pretium sollicitudin. In

* an un-numbered footnote - this is how you tell the readers that this chapter was previously published and then cite the Journal where it was published

¹ and now we're back to normal footnote marking

efficitur massa vel elit sollicitudin, vel auctor sapien cursus. Proin feugiat sapien a mi tempus;

$$X - X' = D + D'$$

in consequat augue cursus. Nulla sed sagittis purus. Nunc eu consequat orci, eu laoreet enim. Ut euismod tincidunt sem, eget lacinia dui luctus eu. Aliquam mi augue, faucibus id semper vitae, porta ac ligula. Morbi sed ultrices odio. Mauris id luctus ex. Nulla ac libero dictum, interdum turpis lacinia, scelerisque leo. Praesent varius orci ac eros varius pharetra.

1.2 Image Handling in XeLaTeX

One of the biggest reasons for switching from the dvipdfm/dvipdfmx methods of compiling is the improved image handling capabilities. EPS, Bit-mapped, PDF, JPG, and PNG formats work well with the xelatex process.

1.2.1 The Traditional EPS Format

EPS format is the traditional format for LaTeX, but EPS files can be very large and many programs can't create or view these images. There are many programs that are used to interpret data and output the results as an EPS format image. It has been my experience that there are bounding box problems with these figures. On many occasions we have opened the image in Adobe Photoshop and, without making any changes, saved the document as a Photoshop EPS file, re-compiled the document, and the image worked correctly, so if you are having problems with an EPS image not showing in your document correctly, try this fix first.

Quisque malesuada a leo eget ullamcorper. Curabitur ut aliquam quam. Nam quis quam id mauris aliquam blandit porttitor sit amet quam. Donec ut erat eleifend turpis finibus pulvinar.

1.2.2 Bitmapped Images Work As Well

Bitmapped images are a standard file type on PCs, but these files are also usually very large so compressed images may be a better alternative.