
Alternative LTU Ph.D. Thesis Template

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Supervisors:

Your Supervisor

Your dedication

ABSTRACT

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ACKNOWLEDGMENTS

Part I

Introduction

This is the manual for the `ltuthesis` LaTeX template. The template’s goal is to provide a headache-free way of integrating the thesis introduction (“Kappa”) and the research papers in one nice-looking, consistent thesis. Even though the template arose from writing composite theses, it can equally well be used for monographs – see Chapter 3.

This manual documents the usage of the thesis template with its different bells and whistles providing a complete documentation and guide on how to write your thesis by using this manual. Furthermore, the manual itself is written in the template and can be used as a starting point of your thesis. The source file of this document is filled with lots of comments that explain how the different commands are used.

The template tries to adhere to standard \LaTeX practice and only use techniques that are considered “the right way” of doing things in \LaTeX . However, **say something blubberish**.

The organization of this manual is as follows. Chapter 2 highlights the most basic usage of the template and should be read by everyone using this template. Chapter 3 includes some tips and tricks and advanced features of the template, workspace organization, and further topics. In Part II, **XX** example research papers are included. Each of the research papers is an example of a paper in the different stages of the academic publishing process.

Finally, **a note about warranty and license**.

CHAPTER 2

Usage

A composite thesis at LTU normally consists of three parts:

1. preface;
2. thesis introduction (“Kappa”);
3. research papers.

A description of how these three parts are integrated in the thesis template follows in their individual sections below. However, before we can get started, we need to define our thesis to be of the `ltuthesis` document class:

```
\documentclass[twoside,openright,12pt,a4paper]{ltuthesis}
```

This will load the template with a font size 12 points, A4 paper¹, double-sided layout, and new chapters starting on a right page. There are no additional packages required for you to be able to use the template (you might, however, want to have a look into Chapter 3 for a couple of common packages that one might want to use).

2.1 Preface

The preface of your thesis includes the following parts:

1. Title page;
2. dedication or quote (optional);
3. abstract;
4. table of contents;
5. acknowledgments (optional).

Note that by the term “title page” we refer to the title page inside the printed book, and not the cover page (which will be added by the university library).

¹Your thesis will be printed in the S5 format, not A4. However, the printing office guidelines state that “[add quote here](#)”, see [?]

Title Page The title page includes the general information about your thesis, such as thesis title, your name, organization, and supervisors. It is created by setting the corresponding values in the preamble of your document as follows:

```
\title{Your Thesis Title}  
\author{Your Name}  
\address{Your Affiliation}  
\supervisors{Your Supervisor(s)}
```

This is followed by a simple call to `\maketitle` in your document body

```
\maketitle
```

which will put all the information in place.

Dedication Next, it is common to dedicate your thesis to someone or to include a quote or something similar. You simply do this by including it in the `dedication`-environment as follows:

```
\begin{dedication}  
    Your dedication here.  
\end{dedication}
```

In general, a dedication is not necessary but customary.

Abstract Similar to the dedication, the thesis abstract is placed in an `abstract`-environment:

```
\begin{abstract}  
    Your abstract here.  
\end{abstract}
```

Table of Contents Next up is the table of contents. As in other latex classes, you simply have to make a call to

```
\tableofcontents
```

to include it in your thesis.

Acknowledgments Finally, you might want to acknowledge a couple of people that helped you during your Ph.D. studies and life in general. Similar to the previous cases (you might already suspect it), put your acknowledgments into an `acknowledgments`-environment:

```
\begin{acknowledgments}  
    Put your acknowledgments here.  
\end{acknowledgments}
```

This concludes the preface of your thesis and everything should be in place. You should now be able to compile the bare minimum of your thesis by using `pdflatex`:

```
pdflatex thesis.tex
```


2.2 Kappa

2.3 Papers

include
 labels
 paths
 bibliography

2.4 Bibliography

The bibliography of your thesis deserves some special attention and it is very important that you **read this section carefully**.

CHAPTER 3

Tips & Tricks

hyperref

- character encoding

- thumbmarks

- subappendices

- monographs

- workspace

- subfig vs. subcaption

- other stuff like notation and so?

REFERENCES

Part II

PAPER A

The First Example Paper

Authors:

Author A and Author B

Reformatted version of paper originally published in:

54th Conference on LaTeX Templates

Digital Object Identifier:

2012/ABC

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The First Example Paper

Author A and Author B

Abstract: Your paper abstract.

1 Introduction

As it is shown in Fig. 1, this is fun.

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Figure 1: Blah.

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References

The Second Example Paper

Authors:

Author A, Author C, and Author B

Reformatted version of paper accepted for publication in:

The International Journal of LaTeX Templates

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The Second Example Paper

Author A, Author C, and Author B

B

Abstract: Your paper abstract.

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References

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