

# Thesis writing with L<sup>A</sup>T<sub>E</sub>X

A hands-on workshop

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# Motivation

Why  $\text{\LaTeX}$  for my thesis?

- Pick the look once, never have to fiddle with it again
- Focus on content as opposed to design
- Automatic consistent typesetting
- Link figures that will auto-update
- Link to your existing reference database(s)
- Good integration with gnuplot and LaTeX plotting

# The UOIT Thesis template

## What are we working with?

- There is an official word template - currently being updated
- There is a guide on the style - currently being updated
- The person to ask if in doubt is: Kristin Dobranowski
- The last instance for how things look like is SGPS (and your committee)

## Disclaimer

This is not an officially accepted template by UOIT - your thesis, your responsibility!

# Contents

## Compartmentalize!

- The Style
- Front-matter
- Chapters
- Appendices
- Bibliography

## Separate files

Use as many separate files as possible! You will thank yourself later.

Relevant commands

- `\include`
- `\includeonly`
- `\addbibresource`

# Draft

Compile fast!

## Toggle draft to:

- See your post-its and notes
- Not include the actual figure but reserve the space
- Speed up compilation time

## Where?

In the preamble with the other document information when defining the documentclass.

# Make notes

So you don't forget that one experimental parameter you were going to double check.

## Note options:

- `\todo` is the default (enter in text)

If you choose to include the `custompackages.tex`:

- `\fix`
- `\task`
- `\remark`

And make a list

With `\listoftodos`

# Referencing

- all entries go into a bib file!
- troubleshoot: compile often!

## Compartmentalizing again!

Consider using different bib files for different thematic groups.

# Useful links

- General instructions: <https://en.wikibooks.org/wiki/LaTeX/>
- Exhaustive instructions:  
<https://tobi.oetiker.ch/lshort/lshort.pdf>
- Your best friend: <https://tex.stackexchange.com/>



## Q &amp; A

# Thank you!

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