

Your Thesis Title



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(***Todo:*** Note that you can use the `\todo` command to add notes like these.)

Here is an optional page environment you could use for things like:

- Your own custom preamble chapters (use `\chapterTitle` for titles!). If you want to add these to your table of contents, use the `\addChapterToTOC{text}` command and enable manual TOC entries in `preamble/thesis-details.tex` with `\enableManualTOCEntries`.
- “*This work is dedicated to...*”
- A copyright notice
- A declaration of authorship
- Additional notes
- Quotes
- List of publications
- An actual blank page

You can pass an optional parameter to this environment with the value `c` to centre this text vertically on the page.

Statement of Originality

The work presented in this thesis/dissertation is entirely from the studies of the individual student, except where otherwise stated. Where derivations are presented and the origin of the work is either wholly or in part from other sources, then full reference is given to the original author. This work has not been presented previously for any degree, nor is it at present under consideration by any other degree awarding body.

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Signed: Benjamin Williams



Acknowledgements

Firstly, I want to thank somebody, and somebody else.¹ Here is another thing.

¹Here is a footnote

Abstract

Here is the abstract for this thesis.

List of Tables

3.1 Here is a table. The caption goes above like this. 10

List of Figures

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Chapter 1

Introduction

1.1 Some notes

It is worth noting that this document was an **unofficial** thesis template for the University of Lincoln School of Computer Science. Since then, it has changed to encompass a broad range of theses. A decent template was needed for my thesis, so I made this. Then, other people liked it and decided to use it. Along the way, I've added in small features which people have suggested. If you have any suggestions or issues, please contact me – my email can be found at the top of `main.tex`! The following subsection in this document demonstrates some capabilities of the template (such as setting your thesis title, and so forth). I have not covered how to use L^AT_EX, as this assumes a working knowledge of the language.

If you are from another institution, then I want to thank you for your interest in my template! I've tried to make the template as lightweight as possible so you can modify it to your needs. You can easily swap out the logo (by changing `logo.pdf` or using `\thesisLogoPath`) and customise the title page contents using the commands listed on the next page. The template is also lightweight enough to enable you to change the typeface of the entire document. Again, if you have any questions please drop me an email as I love hearing your stories!

1.2 Definable variables

The `csthesis` template has a number of definable variables which can be redefined to change the format of the thesis. These are listed below (on the next page).

Command	Description	Example
<code>\thesisLogoPath</code>	Sets the path to the logo for the title.	<code>\thesisLogoPath{img/your-logo-here.jpg}</code>
<code>\thesisSubmissionDate</code>	Manually sets the submission date of the thesis, for the title page.	<code>\thesisSubmissionDate{July, 2019}</code>
<code>\thesisDegree</code>	Sets the name of the degree for this thesis.	<code>\thesisDegree{Doctor of Philosophy}</code>
<code>\thesisProgramme</code>	Sets the name of your degree programme/subject.	<code>\thesisProgramme{Biology}</code>
<code>\thesisSupervisor</code>	Sets the name of your supervisor (optional).	<code>\thesisSupervisor{Dr. Mantis Toboggan}</code>
<code>\thesisSecondSupervisor</code>	Sets the name of your second supervisor (optional).	<code>\thesisSecondSupervisor{Dr. Mantis Toboggan}</code>
<code>\thesisThirdSupervisor</code>	Sets the name of your third supervisor (optional).	<code>\thesisThirdSupervisor{Dr. Mantis Toboggan}</code>
<code>\thesisSchool</code>	Sets the name of your school.	<code>\thesisSchool{School of Chemistry}</code>

<code>\thesisCollege</code>	Sets the name of your college.	<code>\thesisCollege{College of Science}</code>
<code>\thesisUniversity</code>	Sets the name of your university.	<code>\thesisUniversity{University of Lincoln}</code>

In addition, `\thesisSubmissionText{text}` overrides the submission statement `text`, so you can type whatever you'd like onto the front page. This is optional, though. For example, if you wish to erase it entirely, you can use `\thesisSubmissionText{}`. Example usage can be found in `preamble/thesis-details.tex`.

1.3 Making the title page

To make the title, you just need to write `\maketitle` at the beginning of your document, like any other L^AT_EX document. You can alternatively pass the optional argument `[logo-first]` to render the title page with the logo on top, like some thesis styles.

To do this, just write `\maketitle[logo-first]` in place of `\maketitle`.

1.4 Testing some math

Here are two equations:

$$a = b + 1 \tag{1.1}$$

$$\frac{\hbar^2}{2m} \nabla^2 \Psi + V(\mathbf{r}) \Psi = -i\hbar \frac{\partial \Psi}{\partial t} \tag{1.2}$$

And here is some text with some nice inline math, (x, y) wow γ so cool ρ .

1.5 Referencing

If you have included `[harvard]` in the document class command, then you will be able to cite things inline with parentheses. You can do this by using `\citep{citekey}`. It will print out something like this [1]. Or alternatively, you can use `\cite{citekey}` to cite things like this [2]. If you wish to use numeric style citing, just remove the `[harvard]` option from the `\documentclass` command.

This template uses Bib_{La}T_EX for referencing, with a Biber backend. This is primarily due to the extensive features Bib_{La}T_EX provides, along with the option of glossaries. If you want to customise the referencing style, you can either modify the template slightly to use different options, or use `\usepackage` again to reimport it. There's probably some commands to change its options after its been imported too.

If you wish to use numeric style citations instead, please remove the `[harvard]` option from your `\documentclass` command.

1.5.1 Ludography

This thesis template also contains an optional ludography. To use this, just put references into your bib file as usual with the game's details. Then, make sure `keywords` is set to `{game}`. This is what is used to determine which references are games, and which are actual papers. For a more elaborate example, see `bib/ludography.bib`.

Also, make sure that the `title` key is actually the author of the game, and the `author` is the title of the game. The reason this is swapped around is because Bib_{La}T_EX likes to print references out with the author first.

Then, just add `\printLudography` with an optional title argument to print out all citations like `\printLudography` or `\printLudography[Games]`.

You can also use the `ludography` environment if you wish to print out some text before the list of games is printed. An example of this can be seen in `main.tex`.

To cite games, you can `\cite` it like any other reference. However, if you want it

to display the title instead of the standard referencing style, you can use `\citeGame` instead.

Here is an example of a cited game with a normal reference style: [4]. Ugh, pretty ugly. Instead, here the two are cited in the next sentence as games with `\citeGame`. Both *Space Invaders* and *Breakout* were games made by Atari. Much better!

1.6 Manual table of contents entries

As of version 1.0.5, there are commands to manually add chapters and sections to the table of contents (TOC). This is useful for a bunch of reasons, for example, in very large theses you can section your chapters into particular subtopics.

Another reason is to list chapter-like or section-like portions of the document to the TOC. For example, the abstract, acknowledgements, and other sections before the thesis body are not listed in the TOC by default. To enable this functionality, and start adding manual entries to your TOC, you can use the `\enableManualTOCEntries` command in the `preamble/thesis-details.tex` file.

You can then add chapter headings with `\addChapterToTOC{Title goes here}` throughout your document. You can also add sections with `\addSectionToTOC{Section title goes here}` too. Furthermore, an additional command can be used to disable implicitly defined manual TOC entries in the thesis template itself (the list of figures, list of tables and TOC): `\disableTableTOCEntries`.

1.7 A note about arabtex

Currently, this template doesn't seem to work properly with the `arabtex` package. Support for this package and its usage will eventually be added, but isn't one of my main priorities right now. A big thanks over to Hala and the folks over at Effat University for bringing this to my attention!

1.8 Omitting tables in preamble

Sometimes, you may want to omit either the List/Table of Figures, List/Table of Tables, or the Table of Contents. To do this, you can use the `\turnOffTOF` command to omit the List of Figures, `\turnOffTOT` to omit the List of Tables, and `\turnOffTOC` to omit the Table of Contents. A better example can be found in `preamble/thesis-details.tex`.

Chapter 2

Related Work

...

...

Chapter 3

Method

Here is a sentence, and you can see a nice picture in Figure 3.1. You can also use the `autoref` command to do this automatically, like this: Figure 3.1.



Figure 3.1: A picture of a duck.

Also, a table can be found in Table 3.1. You should use a \LaTeX table generator like <https://www.tablesgenerator.com/> if you want to make your life easier.

Table 3.1: Here is a table. The caption goes above like this.

First name	Last name	Age
Bob	Bobbington	24
Benth	Wavies	49
Joe	Bloggs	37
Billy	Bob	10

Chapter 4

Conclusions

...

References

- [1] G. Aad *et al.*, ‘Observation of a new particle in the search for the standard model higgs boson with the atlas detector at the lhc,’ *Physics Letters B*, vol. 716, no. 1, pp. 1–29, 2012 (cit. on p. 4).
- [2] S. Chatrchyan *et al.*, ‘Observation of a new boson at a mass of 125 gev with the cms experiment at the lhc,’ *Physics Letters B*, vol. 716, no. 1, pp. 30–61, 2012 (cit. on p. 4).

Ludography

Breakout, *Atari*, 1976 (cit. on p. 5).

Space Invaders, *Atari*, 1978 (cit. on p. 5).