

The jasthesis **L**A_TE_X class

(How to typeset a thesis)

Volume 1 of 1

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A dissertation submitted to the University of Life in accordance with the
requirements of. . .

Word Count: *many*

Abstract

A \LaTeX class that conforms to the requirements of a University Thesis. It is approximately BS4821:1990.

Briefly these requirements are:

- A4 papersize
- Consecutive numbering at the bottom center of each page.
- Text in 1.5 line spacing (Titles and contents pages are still singlespaced)
- 12pt font size.
- Doublesided printing.
- Top, bottom and outer margin at least 15mm. Inner margin 40mm.
- Preliminary pages of:
 - Title Page (listing chapters and sections)
 - Abstract
 - Dedication and acknowledgements
 - Author's Declaration
 - Table of Contents, List of Figures, List of Tables
- Top left heading is the current chapter, top right current section

Note that when using the option `jasheads` the `*`-form of the `section` command is not supported properly.

Also, the requirement that headings be in no more than 14pt is ignored. This would look silly, given the large gaps in the text due to displayed mathematics. Though if you really want it, the class file would not take much editing to do it.

Dedication and Acknowledgements

This document class is dedicated to my girlfriend, Codina Co-tar.

Author's Declaration

I declare that the work in this dissertation was carried out in accordance with the Regulations of the . . .

Signed:

Date:

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Chapter 1

Using the Class

Place a copy of the `jasthesis.cls` file in the same directory/folder as the `.tex` file you are editing. Alternatively, if you are able to, install the class in your \LaTeX source tree.

At the beginning of your \LaTeX use the command:

```
\documentclass{jasthesis}
```

instead of your usual `\documentclass{\ldots}`.

1.1. Options

The option `jasheads` gives more modern headings on the top left and right. So, you would invoke this with:

```
\documentclass{jasthesis}
```

instead of the above command.

All the remaining command will usually be used immediately after the above.

Chapter 2

Title and Contents Pages

2.1. Title Page

Use the following commands to enter the details for the title page:

```
\thesistitle{\ldots}
\thesissubtitle{\ldots}
\thesisvolume{\ldots}
\thesisauthor{\ldots}
\thesisdegree{\ldots}
\thesiswordcount{\ldots}
```

Then use the command `\thesismaketitle` to actually produce the page.

2.2. Contents Pages

Using the standard \LaTeX command `\tableofcontents` will produce the table of contents with chapters and sections. It will be only singlespaced.

If you require a single sided contents page, then this will have to be done manually. Where you want the page break on the contents page, go to that section in your `.tex` file and after the section command put the command:

```
\addtocontents{toc}{\cleardoublepage}
```

The standard \LaTeX commands `\listoffigures` and `\listoftables` may be used as usual.

Chapter 2 Title and Contents Pages

Chapter 3

Abstract, Dedication, and Declaration

These details are entered using the commands:

```
\thesisabstract{\ldots}
```

```
\thesisdedication{\ldots}
```

```
\thesisdeclaration{\ldots}
```

These commands also produce the pages. The second one typesets the text in italics. The last one produces the signed and date lines.

Chapter 4

Other

The rest of the text will be 1.5 linespaced.

I guess that's all.

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