

QUThesis User Manual

*“Begin at the beginning and go on till you come to the end,
then stop.”*

– LEWIS CARROLL, ALICE IN WONDERLAND

THE QUThESIS STYLE PACKAGE is designed for Doctorate of Philosophy dissertations at the Queensland University of Technology (QUT), but may also be useful at many other institutions. The goals of the package are threefold: (i) to comply with QUT’s thesis submission guidelines, (ii) to provide comprehensive base-level functionality, structure and version control so you can focus on content, and (iii) to produce beautiful thesis documents that are a pleasure to read. To this end, quthesis provides a number of builtin commands and options, which are described in this manual.

Package Options

The quthesis package is designed to be used with the `book` documentclass, though it should also be compatible with `memoir`. The package is initialized in the typical manner,

```
\documentclass[11pt,a4paper]{book}  
\usepackage[options]{quthesis}
```

The package accepts the following options:

<code>print</code>	Print binding offsets of 0.5in are added to the inner edge, and hyperlink coloring is disabled
<code>onehalfspacing</code>	Increase line spacing in the mainmatter
<code>strict</code>	Comply with the QUT style guidelines
<code>relaxed</code>	Remove material that isn’t of interest to the reader, but also breaks compliance with the official QUT guidelines
<code>dropcaps</code>	Initializes the lettrine package so that paragraph beginning words can be formatted using dropped capitals (dropcaps), as per the first character of this manual
<code>calendas</code>	Use the Calendas font for headings, or a similar fallback if Calendas is not available

<code>nonumber</code>	Remove numbering from sections and subsections (more suitable for historical/literature theses)
-----------------------	---

Features

- Automatically generated cover page, and templates for front matter (dedication, acknowledgements, abstract)
- Margins and font size optimized for readability
- Simple and elegant headers and footers
- Explicit breaking of chapter titles without affecting headers
- Customized `listings` environment to better match the prose formatting
- Better default settings for `hyperref`, including link colors, PDF metadata and references
- Adjusted footnote size and spacing from main prose
-

Provided Environments

- `\begin{quote}[author][alignment] ... \end{quote}`
Format a quote, like the one at the beginning of the manual. The command has two optional arguments. The `author` formats a right-justified attribution after the quote. The `alignment` argument specifies the horizontal alignment of the quote on the page. It may be one of `flushleft|center|flushright`.
- `\begin{verticenter} ... \end{verticenter}`
Vertically center a block of content with optical adjustment (the content is actually positioned slightly above the true center).
- `\begin{tightemize} ... \end{tightemize}`
A renewed itemize environment with tighter spacing between items.
- `\begin{biography}[path/to/portrait.png] ... \end{biography}`
An environment for providing a short author biography at the end of the thesis. Text is wrapped around the optional portrait figure. The environment opens left instead of the usual right so that it appears on the back page as per novels.
- `\begin{verse} ... \end{verse}`
A renewed verse environment that provides two extra features over the regular verse environment: (1) lines can be input verbatim, with blank lines indicating stanzas, and (2) page breaks are disallowed mid-stanza.

Provided Commands

- `\alphachapter[Alpha Name]{Chapter Name}`
A custom unnumbered chapter that appears like regular chapters, except with an alpha name. This is useful for introductory chapters such as `\alphachapter[Introduction]{The State of the Union}`.
- `\chap`, `\sec`, `\subsec`, `\fig`, `\eqn`
These commands wrap `\ref` to provide two utilities: (i) enforce namespacing in the use of labels, and (ii) enforce consistency of referring to labels. A figure with the label `\label{fig:results}` for example, can be referred to by `\fig{results}` which will evaluate to **Figure 2**. In the five variants, the namespace in the label is always the command name followed by a colon.
- `\code{inline code}`
An alias of the `\lstinline` command.
- `\ie`, `\eg`, `\cf`, `\etc`, `\wrt`, `\dof`, `\etal`
Italicized abbreviations which respect the spacing and deduplication (for sentence ending abbreviations) of the final period: *i.e.*, *e.g.*, *c.f.*, *etc.*, *w.r.t.*, *d.o.f.*, *et al.*