

maine-thesis — description text*

You[†]

Released ?

Abstract

This is an example package for educational purposes only that defines a single macro

Contents

1	User Interface	3
2	Example	3
3	Implementation	4
4	Initial Variables	4
4.1	Formatting	7
5	Numbers, Special Characters, and Chemical Formulas	7
5.1	References and Citations	8
5.2	Figures and Tables	8
5.3	Other Packages	8
6	Additional Variables	9
6.1	Title	9
6.2	Author Name	9
6.3	Author's Pronouns	9
6.4	Author's Previous Degrees	9
6.5	Author's Current Degree	9
6.6	Author's Current Program	9
6.7	Author's Submission Date	9
6.8	Advisors	10
6.9	Committee Members	10
6.10	Dissertation Tag	10
6.11	Initialize Conditionals	10
6.12	Initialize Counts	10
6.13	Define Section Names	10
7	Variable Modification Commands	10

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8 Custom Commands	11
8.1 comment	12
8.2 ignore	12
8.3 highlight	12
9 General Formatting	12
9.1 Line Numbering on Draft Mode	12
10 Caption Format Declaration	13
11 Heading Format Definitions	13
11.1 Macros	13
12 Page Style	16
12.1 Bottom of Page	16
12.2 Empty Page	16
12.3 Top of Page	16
12.4 Plain Page	16
13 Title Page Format	17
13.1 Refacotring Make Title	17
13.1.1 Pre Title Formatting	17
13.1.2 Post Title Formatting	17
13.1.3 Pre Author Formatting	17
13.1.4 Post Author Formatting	17
13.1.5 Title Page Hook Formatting	17
14 Table of Contents Formatting	18
14.1 Table of Contents Font Specs	18
14.2 Define Enviornment for Custom Thesis List	18
14.3 Define Leader Dots Specifications	19
14.3.1 Parameters for Ensuring that	19
15 Abstract Environment	19
16 Lay Abstract Environment	20
17 Acknowledgements Environment	20
18 Land Acknowledgements Environment	20
19 GRADUATE SCHOOL LAND ACKNOWLEDGMENT	21
20 Seperators	21
20.1 Preliminary	21
20.2 Main Matter	21
20.3 Appendix	21
21 Biography Environment	22
22 Copyright Page	22

23 Dedication Environment	22
24 Preface Environment	23
25 Custom Formatting for References	23
26 Change History	23
27 Index	24

1 User Interface

`\examplemacro` Some text about an example macro called `\examplemacro`, which might have an optional argument `[[arg1]]` and mandatory one `{arg2}`.

2 Example

Here is a straightforward example to illustrate how these macro are used.

```

1 \example
2 \documentclass[jdecimal, citestyle=apa, 11pt]{maine-thesis} % Default options 12pt and final
3
4 % Include necessary packages here
5 \usepackage{mwe}
6 \usepackage{blindtext}
7
8 % Replace contents of {...} with your own information.
9 \title{An essay upon the vasomotor changes in tabes dorsalis} % Title of thesis
10 \author{Mary Morstan} % Author's name: First Middle Last
11 \degreesheld{Bachelor of Medicine, University of Edinburg \\\
12 Master of Surgery, University of Edinburg} % Previously earned degree(s), institution(s) and
13 \degree{Doctor of Medicine} % Degree to be granted
14 \program{School of Medicine} % Degree granting department or program
15 \submitdate{May 1885} % Month and year of graduation (do not separate with a comma)
16
17 \principaladvisor[Dr. Seuss]{Dr. Seuss, Professor of Literature} % Advisor's [short title and
18 % If you have more than one advisor then you'll should delete the first argument ("[...]") ab
19 %\secondadvisor{...}
20 %\principalshort{...} % Shortened advisor name for abstract. See guidelines for example.
21
22 % Include all committee members names and titles
23 \firstreader{Dr. Dolittle, Vetinary School}
24 \secondreader{Dr Watson, Medical School}
25 % If necessary (i.e. for a doctorate), include extra committee members. Else, comment out or
26 \thirdreader{Dr. Digory Kirke, Professor of Geography of Magical Lands}
27
28 % If the thesis has MORE than one appendix, leave the following command in. Else, comment it
29 \multipleappendicestrue
30
31
32 % Begin the document.
33 \begin{document}
34 \preliminary

```

```

35 \maketitle
36
37 \begin{abstract}
38 \Blindtext
39 \end{abstract}
40
41 \begin{layabstract}{...} % Replace the ... with the list of keywords
42 \blindtext
43 \end{layabstract}
44
45 % Commands for the required lists
46 \tableofcontents
47
48 % Sets the document spacing and pagestyle.
49 \mainmatter
50
51 % Main text of the thesis. Use of the 'input' command will make later editing much easier.
52
53 \chapter{Observations of Medicine}
54 \blindtext
55
56 \chapter{Deducatinos about Disease}
57 \blindtext
58
59 \appendix % Include this before any appendices.
60 \chapter{Some extras}
61 \blindtext
62
63 \end{document}
64 \example

```

3 Implementation

Identification of pkg

```

65 \*package
66 % \end{macrocode}
67
68 % \begin{macrocode}
69 (@@=maine-thesis)

70 \NeedsTeXFormat{LaTeX2e}
71 \ProvidesPackage{maine-thesis}[2025/09/01 v2.0 University of Maine Thesis]

\examplemacro

72 \newcommand{\libraryrights}{%
73 \ClassError{maine-thesis}{The Graduate School no longer requires\MessageBreak a Library R
74 }

75 \newcommand{\dissacceptance}{%
76 \ClassError{maine-thesis}{The Graduate School no longer requires\MessageBreak a Dissertat
77 }

```

4 Initial Variables

```

78 \newif\ifdraft\draftfalse
79 \newif\iftwoside\twosidefalse
80 \newif\ifmt@official\mt@officialtrue
81 \newif\ifunbound\unboundfalse
82 \newif\ifmt@legacycaptions\mt@legacycaptionsfalse
83 \newif\ifmt@loftspace\mt@loftspacefalse
84 \newcommand\docsize{}
85 \newcommand\side{oneside}
86 \newcounter{secnumdefault}
87 \setcounter{secnumdefault}{3}
88 \newcounter{head}
89 \setcounter{head}{1000}
90 \def\@margg{1.5in}
91 \def\mt@pagestyle{bottom}
92 % \end{macrocode}
93
94 % \section{Declare Options}
95 %
96 % \begin{macrocode}
97 \DeclareOption{10pt}{\renewcommand\docsize{10pt}\PassOptionsToClass{10pt}{report}}
98 \DeclareOption{11pt}{\renewcommand\docsize{11pt}\PassOptionsToClass{11pt}{report}}
99 \DeclareOption{12pt}{\renewcommand\docsize{12pt}\PassOptionsToClass{12pt}{report}}

```

The ‘draft’ option enables a “draft mode” for the document. It sets the ‘ifdraft’ conditional to true, which can be used by other parts of the class to show or hide draft-specific content.

```

100 \DeclareOption{draft}{\drafttrue
101 % When in draft mode, it defaults to a 10pt font size for faster compilation.
102 \ExecuteOptions{10pt}
103 % The ‘draft’ option is passed to the underlying ‘report’ class to
104 % show draft annotations (like black squares for overfull hboxes).
105 \PassOptionsToClass{draft}{report}
106 % Defines a command to display a "DRAFT" watermark or text.
107 \newcommand\drafttext{\sffamily\small{DRAFT}}
108 % Sets a conditional to false, which might hide official marks.
109 \mt@officialfalse
110 }

```

These options control the page layout, specifically whether the document is for a one-sided or two-sided print. These options are standard and should be passed to the report class.

```

111 \DeclareOption{twoside}{\mt@officialfalse\unboundfalse\twosidettrue\renewcommand\side{twoside}
112 \DeclareOption{oneside}{\mt@officialfalse\unboundfalse\renewcommand\side{oneside}\def\@margg{

```

The ‘unbound’ option sets the class for single-sided printing with a smaller left margin, which is suitable for documents that will not be bound.

```

113 \DeclareOption{unbound}{\mt@officialtrue\unboundtrue\def\@margg{1in}}

```

The following options allow the user to choose from different heading styles.

```

114 \def\HeadingStyle{} % Define an empty macro as a placeholder
115 \DeclareOption{apa}{
116 \setcounter{secnumdefault}{3}
117 \setcounter{head}{0}
118 \def\HeadingStyle{apa}}

```

```

119 \DeclareOption{chicago}{
120     \setcounter{secnumdefault}{3}
121     \setcounter{head}{1}
122     \def\HeadingStyle{chicago}}
123 \DeclareOption{headings}{
124     \setcounter{secnumdefault}{3}
125     \setcounter{head}{2}
126     \def\HeadingStyle{mainethesis}}
127 \DeclareOption{idecimal}{
128     \setcounter{secnumdefault}{3}
129     \setcounter{head}{3}
130     \def\HeadingStyle{idecimal}}
131 \DeclareOption{jdecimal}{
132     \setcounter{secnumdefault}{3}
133     \setcounter{head}{1000}
134     \def\HeadingStyle{jdecimal}}

```

The ‘legacycaptions’ option changes the caption formatting.

```

135 \DeclareOption{legacycaptions}{\mt@legacycaptionstrue}

```

These options control the placement of page numbers.

```

136 \DeclareOption{pagenumberbottom}{\def\mt@pagestyle{bottom}}
137 \DeclareOption{pagenumbertop}{\def\mt@pagestyle{top}}

```

This passes any unknown option directly to the underlying ‘report’ class. This is a catch-all to make the class compatible with standard report options.

```

138 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{report}}

```

The ‘loftspacing’ option enables a specific spacing setting.

```

139 \DeclareOption{loftspacing}{\mt@loftspacetrue\mt@officialfalse}

```

These options are specifically for the ‘xcolor’ package. They intercept the options from ‘documentclass’ and pass them to ‘xcolor’ before it’s loaded, preventing an option clash.

```

140 \DeclareOption{table}{\PassOptionsToPackage{table}{xcolor}}
141 \DeclareOption{xcdraw}{\PassOptionsToPackage{xcdraw}{xcolor}}

```

This defines a macro to store the citation style provided by the user.

```

142 \newcommand*{\@citestyle}{authoryear}

```

This option takes the value passed to ‘citestyle’ (e.g., ‘apa’) and redefines the ‘@citestyle’ macro with that value.

```

143 \DeclareOption{citestyle}{%
144     \renewcommand*{\@citestyle}{#1}%
145 }

```

This command sets the default citation style if none is specified.

```

146 \ExecuteOptions{citestyle=authoryear}

```

—EXECUTION OF OPTIONS—

This is the final execution block. It’s crucial for processing all the options that have been declared and passed.

```

147 \ExecuteOptions{12pt,unbound}

148 \ProcessOptions
149 \LoadClass[\docsize,\side]{report}[2022/07/02 v1.4n Standard LaTeX document class]
150 % \end{macrocode}
151

```

152 % \section{Import Required Packages}

153 % \subsection{Fonts}

154 % \begin{macrocode}

155 \RequirePackage[T1]{fontenc}[2024/06/01 v2.0h Standard LaTeX package]

Provides the T1 font encoding, which allows for correct hyphenation of accented characters and improves overall text rendering.

156 \RequirePackage{fontspec}[2022/01/15 v2.8a Font selection for XeLaTeX and LuaLaTeX]

Provides advanced font selection with LuaLaTeX and XeLaTeX, allowing for the use of system fonts and OpenType/TrueType font features.

157 \RequirePackage{microtype}[2023/03/13 v3.1a Micro-typographical refinements (RS)]

Enhances the appearance of justified text through micro-typographical adjustments like character protrusion and font expansion.

4.1 Formatting

158 \RequirePackage{lscape}[2020/05/28 v3.02]

Provides a landscape environment to rotate pages. For PDF output, the ‘pdfscape’ package is required to correctly set the page orientation.

159 \RequirePackage{pdfscape}[2022-10-27 v0.13 Display of landscape pages in PDF]

Adds PDF support to the ‘lscape’ environment, ensuring landscape pages are displayed correctly in PDF viewers.

160 \RequirePackage[titles]{tocloft}[2017/08/31 v2.3i parameterised ToC, etc., typesetting]

Offers extensive customization of the table of contents, list of figures, and list of tables.

161 \RequirePackage{newunicodechar}[2018/04/08 v1.2 Defining Unicode characters]

Provides a command to define new Unicode characters, which is essential for modern typesetting.

162 \RequirePackage{textcomp}[2020/02/02 v2.0n Standard LaTeX package]

Provides a wide range of symbols and characters not available in default LaTeX fonts, such as the trademark symbol.

163 \RequirePackage[super]{nth}[2002/02/27]

Adds commands for typesetting ordinal numbers (e.g., 1st, 2nd, 3rd) with correct superscripting.

164 \RequirePackage{colorinlistoftodos}{todonotes}[2023/01/31]

Provides commands for adding margin notes and todo lists during drafting.

5 Numbers, Special Characters, and Chemical Formulas

165 \RequirePackage[version=4]{mhchem}[2021/12/31 v4.09 for typesetting chemical formulae]

Provides an easy way to write chemical formulas and equations.

166 \RequirePackage{textgreek}[2011/10/09 v0.7 Greek symbols in text]

Provides commands for typesetting Greek letters in text mode.

167 \RequirePackage{siunitx}[2023-03-14 v3.2.3 A comprehensive (SI) units package]

Provides a powerful command for typesetting SI units and numbers with proper spacing and formatting.

168 \RequirePackage{geometry}[2020/01/02 v5.9 Page Geometry]

This package provides a flexible interface to control the document’s page layout. Within this class, it’s used to set the document margins, including the left margin based on the ‘unbound’ option.

169 `\RequirePackage{tabularx}`[2023/12/11 v2.12a]

This package provides the ‘tabularx’ environment, which is an extension of the standard ‘tabular’ environment. It includes a new column type, ‘X’, that automatically adjusts its width to fill the specified table width. This is essential for creating tables that span the full text width of your document.

5.1 References and Citations

170 `\RequirePackage{hyperref}`[2023-02-07 v7.00v Hypertext links for LaTeX]

Creates hyperlinks within the document, making the table of contents, citations, and external links clickable.

171 `\RequirePackage{csquotes}`[2022-09-14 v5.2n context-sensitive quotations (JAW)]

Provides context-sensitive quotation facilities, automatically handling nesting and language-specific rules.

172 `\RequirePackage[backend=biber, style=@citestyle, doi = true, autopunct = true, date=year]{biblatex}`

A powerful package for managing bibliographies and citations.

5.2 Figures and Tables

173 `\RequirePackage{graphicx}`[2021/09/16 v1.2d Enhanced LaTeX Graphics (DPC,SPQR)]

A fundamental package for including graphics files in a document.

174 `\RequirePackage{rotating}`[2016/08/11 v2.16d rotated objects in LaTeX]

Provides environments for rotating objects such as figures and tables.

175 `\RequirePackage[margin=10pt,font=small,labelfont=bf,labelsep=endash]{caption}`[2023/03/12 v3.6]

Provides an interface to customize the captions of figures and tables.

176 `\RequirePackage{float}`[2001/11/08 v1.3d Float enhancements (AL)]

Provides the H placement specifier for floats, giving more precise control.

177 `\RequirePackage{booktabs}`[2020/01/12 v1.61803398 Publication quality tables]

Provides commands for drawing professional-looking horizontal rules in tables.

178 `\RequirePackage{xcolor}`[2022/06/12 v2.14 LaTeX color extensions (UK)]

An extended version of the ‘color’ package, providing more color models and table coloring features.

179 `\RequirePackage{multirow}`[2021/03/15 v2.8 Span multiple rows of a table]

Provides a command to create cells that span multiple rows in a table.

180 `\RequirePackage{longtable}`[2021-09-01 v4.17 Multi-page Table package (DPC)]

Provides an environment for creating tables that can span multiple pages.

5.3 Other Packages

181 `\RequirePackage[none]{hyphenat}`[2009/09/02 v2.3c]

Provides fine control over hyphenation.

182 `\RequirePackage{iftex}`[2022/02/03 v1.0f TeX engine tests]

Provides a conditional command to check which TeX engine is being used.

183 `\RequirePackage{lineno}`[2023/01/19 line numbers on paragraphs v5.1]

Adds line numbers to a document, useful during the drafting process.

184 `\RequirePackage{etoolbox}`[2020/10/05 v2.5k e-TeX tools for LaTeX (JAW)]

A set of tools for programming in LaTeX, providing macros for conditionals.

185 `\RequirePackage{soul}` [2003/11/17 v2.4]

Provides commands for letter-spacing, underlining, and highlighting text.

186 `\RequirePackage{tocbibind}` [2010/10/13 v1.5k extra ToC listings]

Adds the bibliography, index, and lists of figures/tables to the table of contents.

187 `\RequirePackage{titlesec}` [2021/07/05 v2.14 Sectioning titles]

Offers a powerful interface to sectioning commands, allowing for custom headings.

188 `\RequirePackage{textcase}` [2022/07/10 v1.03 Text only upper/lower case changing (DPC)]

Provides robust commands for changing the case of text.

189 `\RequirePackage{titling}` [2004/08/17 v2.1d]

Provides greater control over the typesetting of the title page.

190 `\RequirePackage{setspace}` [2022/12/04 v6.7b set line spacing]

Provides support for setting line spacing, such as single, one-and-a-half, and double spacing.

191 `\RequirePackage{xstring}` [2013/10/13 v1.7c]

Provides commands for advanced string manipulation.

192 `\RequirePackage{afterpackage}` [2006/01/17 v1.1]

Provides a command to execute code after a specific package has been loaded.

6 Additional Variables

6.1 Title

This should be defined in an inverted pyramid format, but must be manually constructed by the user.

193 `\def\@title{}`

6.2 Author Name

194 `\def\@author{}`

6.3 Author's Pronouns

195 `\def\@authorpronoun{}`

6.4 Author's Previous Degrees

196 `\def\@degreesheld{}`

6.5 Author's Current Degree

For example, Doctor of Philosophy, Master of Science

197 `\def\@degree{}`

6.6 Author's Current Program

198 `\def\@program{}`

6.7 Author's Submission Date

May, December or August and Year

199 `\def\@submitdate{}`

6.8 Advisors

```
200 \def\@principaladvisor{}
201 \def\@secondadvisor{}
202 \def\@principalshort{}
```

6.9 Committee Members

```
203 \def\@firstreader{}
204 \def\@secondreader{}
205 \def\@thirdreader{}
206 \def\@fourthreader{}
207 \def\@fifthreader{}
```

6.10 Dissertation Tag

```
208 \def\@type{Dissertation}
209 \def\@LastLevel{0}
```

6.11 Initialize Conditionals

```
210 \newif\ifmultipleappendices\multipleappendicesfalse
211 \newif\ifcopyrightpage\copyrightpagefalse
212 \newif\ifbigtitlepage\bigtitlepagefalse
213 \newif\ifverybigtitlepage\verybigtitlepagefalse
214 \newif\ifapp\appfalse
```

6.12 Initialize Counts

```
215 \newcount\numcomm \numcomm=4
216 \newcount\numadv \numadv=1
```

6.13 Define Section Names

```
217 \renewcommand*\contentsname{Table of Contents}
218 \renewcommand*\bibname{References}
219 \renewcommand*\indexname{INDEX}
220 \renewcommand*\chaptername{Chapter}
221 \renewcommand*\appendixname{Appendix}
222 \newcommand*\listname{List of}
223 \newcommand*\chapternamep{\chaptername s}
224 \newcommand*\prefacename{Preface}
225 \newcommand*\acknowledgename{Acknowledgments}
226 \newcommand*\landacknowledgename{Land Acknowledgments}
227 \newcommand*\dedicationname{Dedication}
228 \newcommand*\bioname{Biography of the Author}
```

7 Variable Modification Commands

```
229 \renewcommand{\author}[1]{%
230   \ifx\empty#1\empty\else\gdef\@author{#1}\fi}
231 \newcommand{\authorpronoun}[1]{%
232   \ifx\empty#1\empty\else\gdef\@authorpronoun{#1}\fi}
233 \renewcommand{\title}[1]{%
234   \ifx\empty#1\empty\else\gdef\@title{#1}\fi}
235 \newcommand{\degreesheld}[1]{%
236   \ifx\empty#1\empty\else\gdef\@degreesheld{#1}\fi}
237 \newcommand{\degree}[1]{%
```

```

238 \ifx\empty#1\empty\else\gdef\@degree{#1}\fi}
239 \newcommand{\program}[1]{%
240 \ifx\empty#1\empty\else\gdef\@program{#1}\fi}
241 \newcommand{\submitdate}[1]{%
242 \ifx\empty#1\empty\else\gdef\@submitdate{#1}\fi}
243 \newcommand{\principaladvisor}[2][\empty]{%
244 \ifx\empty#1\empty\else\gdef\@principalshort{\sloppy#1}\fi%
245 \ifx\empty#2\empty\else\gdef\@principaladvisor{\sloppy#2}\fi%
246 }
247 \newcommand{\secondadvisor}[1]{%
248 \ifx\empty#1\empty\else\gdef\@secondadvisor{\sloppy#1}\fi
249 \twoadvisors}
250 \newcommand{\principalshort}[1]{%
251 \ifx\empty#1\empty\else\gdef\@principalshort{#1}\fi}
252 \newcommand{\firstreader}[1]{%
253 \ifx\empty#1\empty\else\gdef\@firstreader{\sloppy#1}\fi
254 \members{1}}
255 \newcommand{\secondreader}[1]{%
256 \ifx\empty#1\empty\else\gdef\@secondreader{\sloppy#1}\fi
257 \members{2}}
258 \newcommand{\thirdreader}[1]{%
259 \ifx\empty#1\empty\else\gdef\@thirdreader{\sloppy#1}\fi
260 \members{3}}
261 \newcommand{\fourthreader}[1]{%
262 \ifx\empty#1\empty\else\gdef\@fourthreader{\sloppy#1}\fi
263 \members{4}}
264 \newcommand{\fifthreader}[1]{%
265 \ifx\empty#1\empty\else\gdef\@fifthreader{\sloppy#1}\fi
266 \members{5}}
267 \newcommand{\bibfiles}[1]{%
268 \ifx\empty#1\empty\else\gdef\@bibfiles{#1}\fi}
269 \newcommand{\members}[1]{\numcomm=#1}
270 \newcommand{\twoadvisors}{\numadv=2}
271 \newcommand{\oneadvisor}{\numadv=1}
272 \newcommand{\thesis}{
273 \gdef\@type{Thesis}}
274 \newcommand{\project}{
275 \gdef\@type{Project}}
276 \newcommand{\compresstitlepage}[1][1]{
277 \ifcase#1
278 \relax
279 \or
280 \bigtitlepagetrue
281 \or
282 \bigtitlepagetrue
283 \verybigtitlepagetrue
284 \fi
285 }
286 \renewcommand{\bibname}{References}

```

8 Custom Commands

Our goal is to minimize these as much as possible in future versions.

8.1 comment

```
287 \newcommand{\comment}[1]{
288     \ifdraft
289     \marginpar{
290         \color{red}\flushleft\scriptsize\setlength{\baselineskip}{7pt}
291         {\MakeTextUppercase{Note}: #1}}
292     \fi
293 }
```

8.2 ignore

```
294 \newcommand{\ignore}[1]{}
```

8.3 highlight

```
295 \newcommand{\highlight}[1]{%
296     \ifdraft%
297         \hl{#1}%
298     \else%
299         #1%
300     \fi%
301 }
```

9 General Formatting

9.1 Line Numbering on Draft Mode

```
302 \ifdraft{\linenumbers}\fi
303 % \end{macrocode}
304 % \subsection{Default Font}
305 % \begin{macrocode}
306 \setmainfont{EB Garamond}
307 % \end{macrocode}
308 % \subsection{Page Geometry}
309 % \begin{macrocode}
310 \geometry{
311     letterpaper,
312     margin=1in,
313     left=\@margg,
314     headsep=0.4in,
315     headheight=14pt,
316     footskip=30pt,
317     marginparwidth=40pt,
318     marginparsep=10pt}
319 % \end{macrocode}
320 % \subsection{Additional Page Format}
321 % \begin{macrocode}
322 \setcounter{secnumdepth}{\value{secnumdefault}}
323 \setcounter{tocdepth}{\value{secnumdefault}}
324 \raggedbottom
325 \raggedright
326 \parindent=1.5em\relax
327 \markboth{}{}
328 \clubpenalty=10000
329 \widowpenalty=10000
```

```

330 % \end{macrocode}
331 % \subsection{Font Parameter}
332 % \begin{macrocode}
333 \def\verbatimfont{\rmfamily}
334 % \subsection{Spacing for Title Page and Headings}
335 % \begin{macrocode}
336 \newcommand*\loftspacing{10}

```

10 Caption Format Declaration

```

337 \DeclareCaptionFormat{thesis}
338 {
339     \textbf{#1#2}\textit{\small #3}
340 }
341 \captionsetup{format=thesis}

```

11 Heading Format Definitions

11.1 Macros

```

342 %Macro for period after heading
343 \def\adddot#1{#1.\thinspace}
344 %macro for underline
345 \def\addul#1{\underline{#1}}
346 \def\adddotul#1{\underline{#1}.\thinspace}
347
348 % \subsection{APA 7 Format}
349 %
350 % \begin{macrocode}
351 \newcommand{\apaheadings}{%
352     \typeout{applying apa headings}
353     %--- APA 7 Style Headings ---
354     \titleformat{\chapter}[display]{\normalfont\centering\bfseries}{\chaptertitlename\ \thechapter}
355     \titlespacing{\chapter}{0pt}{50pt}{15pt}
356     \titleformat{\section}{\normalfont\bfseries}{\thesection}{0em}{}
357     \titlespacing{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
358     \titleformat{\subsection}{\normalfont\bfseries\itshape}{\thesubsection}{0em}{}
359     \titlespacing{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .1ex}
360     \titleformat{\subsubsection}[runin]{\normalfont\bfseries}{\thesubsubsection}{1em}{\adddot}
361     \titlespacing{\subsubsection}{\parindent}{3.25ex plus 1ex minus .2ex}{0pt}{1em}
362     \titleformat{\paragraph}[runin]{\normalfont\bfseries\itshape}{\theparagraph}{1em}{\adddot}
363     \titlespacing{\paragraph}{\parindent}{3.25ex plus 1ex minus .2ex}{0pt}{1em}
364 }
365 % \end{macrocode}
366
367
368
369 % \subsection{Chicago Format}
370 %
371 % \begin{macrocode}
372 \newcommand{\chicagoheadings}{%
373     % Level 1: Centered, Boldface, Headline-style
374     \titleformat{\chapter}[display]{\normalfont\centering\bfseries}{\chaptertitlename\ \thechapter}

```

```

3pt}{\MakeTextUppercase}
375 \titlespacing{\chapter}{0pt}{50pt}{15pt}
376
377 % Level 2: Centered, Regular, Headline-style
378 \titleformat{\section}{\normalfont\centering\normalsize}{\thesection}{1.5ex}{\MakeTextUppercase}
379 \titlespacing{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
380
381 % Level 3: Flush Left, Bold Italic, Headline-style
382 \titleformat{\subsection}{\normalfont\bfseries\itshape\normalsize}{\thesubsection}{0em}{\MakeTextUppercase}
383 \titlespacing{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .1ex}
384
385 % Level 4: Flush left, Roman type, Sentence-style
386 \titleformat{\subsubsection}{\normalfont\normalsize}{\thesubsubsection}{0em}{\MakeTextUppercase}
387 \titlespacing{\subsubsection}{0pt}{3.25ex plus 1ex minus .2ex}{0pt plus .1ex}
388
389 % Level 5: Run in, Bold Italic, Sentence-style, with period
390 \titleformat{\paragraph}[runin]{\normalfont\bfseries\itshape}{\theparagraph}{1em}{\addotop}
391 \titlespacing{\paragraph}{\parindent}{3.25ex plus 1ex minus .2ex}{0pt}[1em]
392 }
393 % \end{macrocode}
394
395
396 % \subsection{Maine Thesis Default Format}
397 %
398 % \begin{macrocode}
399 \newcommand{\mainethesisheadings}{%
400 %--- Sample Headings from Guidelines ---
401 % Chapter Titles
402 \titleformat{\chapter}[display]{\normalfont\centering\bfseries}{\chaptertitlename}{\thechapter}{0pt}{\MakeTextUppercase}
403 \titlespacing{\chapter}{0pt}{50pt}{15pt}
404
405 % First Level Headings
406 \titleformat{\section}{\normalfont\bfseries}{\thesection}{0pt}{\addul}
407 \titlespacing{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
408
409 % Second Level Headings
410 \titleformat{\subsection}{\normalfont\bfseries}{\thesubsection}{0pt}{\addul}
411 \titlespacing{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .1ex}
412
413 % Third Level Headings
414 \titleformat{\subsubsection}[runin]{\normalfont\bfseries}{\thesubsubsection}{0pt}{\addotul}
415 \titlespacing{\subsubsection}{0pt}{3.25ex plus 1ex minus .2ex}{0pt}
416
417 % Fourth Level Headings
418 \titleformat{\paragraph}[runin]{\normalfont}{\theparagraph}{0pt}{\addotul}
419 \titlespacing{\paragraph}{0pt}{3.25ex plus 1ex minus .2ex}{0pt}
420 }
421 % \end{macrocode}
422
423
424 % \subsection{iDecimal Format}
425 %
426 % \begin{macrocode}

```

```

427 \newcommand{\idecimalheadings}{%
428     \setcounter{tocdepth}{4}
429     % Chapter Titles: Centered and bold
430     \titleformat{\chapter}[display]{\normalfont\centering\bfseries}{\thechapter}{1em}{}
431     \titlespacing{\chapter}{0pt}{50pt}{15pt}
432
433     % Level 1 Headings: Bold, followed by a line break
434     \titleformat{\section}{\normalfont\bfseries}{\thesection}{1em}{}
435     \titlespacing{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
436
437     % Level 2 Headings: Bold, followed by a line break
438     \titleformat{\subsection}{\normalfont\bfseries}{\thesubsection}{1em}{}
439     \titlespacing{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .1ex}
440
441     % Level 3 Headings: Bold, run-in with a period, with 1em spacing between number and title
442     \titleformat{\subsubsection}[runin]{\normalfont\bfseries}{\thesubsubsection}{1em}{\addot}
443     \titlespacing{\subsubsection}{\parindent}{3.25ex plus 1ex minus .2ex}{0pt}{1em}
444
445     % Level 4 Headings: Bold, run-in with a period, with 1em spacing
446     \titleformat{\paragraph}[runin]{\normalfont\bfseries}{\theparagraph}{1em}{\addot}
447     \titlespacing{\paragraph}{\parindent}{3.25ex plus 1ex minus .2ex}{0pt}{1em}
448 }
449 % \end{macrocode}
450
451
452
453 % \subsection{jDecimal Format}
454 %
455 % \begin{macrocode}
456 \newcommand{\jdecimalheadings}{%
457     %--- Justified Decimal System (Default) ---
458     \titleformat{\chapter}[display]{\normalfont\centering\bfseries\normalsize}{\chaptername\
459     3pt}{\MakeUppercase}
460     \titlespacing{\chapter}{0pt}{0pt}{15pt}
461     \titleformat{\section}{\normalfont\bfseries}{\thesection}{1.5ex}{\MakeTextUppercase}
462     \titlespacing{\section}{0pt}{1.5ex plus .2ex minus 0pt}{.3ex plus .2ex}
463     \titleformat{\subsection}{\normalfont\bfseries}{\thesubsection}{0.3ex}{}
464     \titlespacing{\subsection}{1.5em}{0.3ex plus .2ex minus 0pt}{.2ex plus .1ex}
465     \titleformat{\subsubsection}{\normalfont\bfseries}{\thesubsubsection}{0.2ex}{}
466     \titlespacing{\subsubsection}{3.8em}{0.2ex plus .1ex minus 0pt}{0.2ex plus .1ex}
467     \titleformat{\paragraph}{\normalfont\bfseries}{\theparagraph}{0pt}{}
468     \titlespacing{\paragraph}{7.0em}{3.25ex plus 1ex minus .2ex}{3.25ex plus 1ex minus .2ex}
469     \titleformat{\subparagraph}{\normalfont\hspace{1.5em}}{\thesubparagraph}{0pt}{\addul}
470     \titlespacing{\subparagraph}{7.0em}{3.25ex plus 1ex minus .2ex}{3.25ex plus 1ex minus .2ex}
471 }
472 % \end{macrocode}
473 %
474 %\section{Implement Heading from Options Flag using a macro}
475 %
476 % \begin{macrocode}
477 \typeout{=== Checking HeadingStyle Flag ===}
478
479 \ifdefined\HeadingStyle

```

```

480 \typeout{--- Using \string\csname to execute style \HeadingStyle ---}
481 \csname\HeadingStyle headings\endcsname
482 \else
483 \typeout{--- No HeadingStyle option was selected. ---}
484 \fi
485
486 \typeout{=== Finished HeadingStyle Check ===}
487
488

```

12 Page Style

12.1 Bottom of Page

```

489 \newcommand{\ps@bottom}{%
490   \renewcommand{\@oddhead}{%
491     \ifdraft\drafttext\hfil\today\hfil\drafttext\else\fi}%
492   \renewcommand{\@evenhead}{\@oddhead}
493   \renewcommand{\@oddfoot}{%
494     \ifdraft\drafttext\hfil\thepage
495     \hfil\drafttext\else\hfil\thepage\hfil\fi}
496   \renewcommand{\@evenfoot}{\@oddfoot}
497 }

```

12.2 Empty Page

```

498 \renewcommand{\ps@empty}{%
499   \renewcommand{\@oddhead}{%
500     \ifdraft\drafttext\hfil\today\hfil\drafttext\else\fi}%
501   \renewcommand{\@evenhead}{\@oddhead}
502   \renewcommand{\@oddfoot}{%
503     \ifdraft\drafttext\hfil\drafttext\else\fi}
504   \renewcommand{\@evenfoot}{\@oddfoot}
505 }

```

12.3 Top of Page

```

506 \newcommand{\ps@top}{%
507   \renewcommand{\@oddhead}{%
508     \ifdraft\drafttext\hfil\today\hfil\drafttext\else\thepage\fi}%
509   \renewcommand{\@evenhead}{%
510     \ifdraft\drafttext\hfil\today\hfil\drafttext\else\thepage\fi}%
511   \renewcommand{\@oddfoot}{%
512     \ifdraft\drafttext\hfil\thepage\hfil\drafttext\else\fi}%
513   \renewcommand{\@evenfoot}{\@oddfoot}%
514 }

```

12.4 Plain PAge

```

515 \pagestyle{\mt@pagestyle}
516 \renewcommand{\ps@plain}{\csname ps@\mt@pagestyle\endcsname}

```


13 Title Page Format

13.1 Refacotring Make Title

13.1.1 Pre Title Formatting

```
517 \pretitle{
518     \begin{center}
519
520     \bfseries\MakeTextUppercase
521 }
```

13.1.2 Post Title Formatting

```
522 \posttitle{
523     \end{center}
524 }
```

13.1.3 Pre Author Formatting

```
525 \preauthor{
526     \begin{center}
527     By \\
528     \MakeUppercase
529 }
```

13.1.4 Post Author Formatting

```
530 \postauthor{
531     \\
532     \@degreesheld
533     \end{center}
534 }
```

13.1.5 Title Page Hook Formatting

```
535 \renewcommand{\maketitlehooka}{
536     \thispagestyle{empty}
537     \ifverybigtitlepage
538         \onehalfspacing
539     \else
540         \doublespacing
541     \fi
542 }

543 \renewcommand{\maketitlehookd}{
544     \begin{center}
545         A \MakeTextUppercase{\@type}\@[4pt]
546         Submitted in Partial Fulfillment of the\\
547         Requirements for the Degree of\\
548         \expandafter{\@degree}\\
549         (in \expandafter{\@program})\\
550         \vskip 0.5in
551         The Graduate School\\
552         The University of Maine\\
553         \expandafter{\@submitdate}
554         \vfill
555     \end{center}
556     \ifbigtitlepage
```

```

557         \singlespacing
558     \fi
559     \begin{flushleft}
560     Advisory Committee:
561     \begin{list}{}{%
562         \setlength{\itemsep}{0pt}%
563         \setlength{\topsep}{0in}%
564         \setlength{\partopsep}{0pt}%
565         \setlength{\itemindent}{-\parindent}%
566         \setlength{\leftmargin}{1cm}%
567     }
568     % Check if the principal advisor is defined before printing
569     \ifx\@principaladvisor\empty\else
570         \item{\@principaladvisor, %
571             \ifnum\numadv=2%
572                 Co-%
573             \fi%
574             Advisor}
575     \fi
576     % Check for second advisor before printing
577     \ifx\@secondadvisor\empty\else
578         \item{\@secondadvisor, Co-Advisor}
579     \fi
580     % Check for each reader before printing
581     \ifx\@firstreader\empty\else
582         \item{\@firstreader}
583     \fi
584     \ifx\@secondreader\empty\else
585         \item{\@secondreader}
586     \fi
587     \ifx\@thirdreader\empty\else
588         \item{\@thirdreader}
589     \fi
590     \ifx\@fourthreader\empty\else
591         \item{\@fourthreader}
592     \fi
593     \ifx\@fifthreader\empty\else
594         \item{\@fifthreader}
595     \fi
596     \end{list}
597     \end{flushleft}
598     \clearpage
599 }

```

14 Table of Contents Formatting

14.1 Table of Contents Font Specs

```

600 \renewcommand{\cftchapfont}{\normalfont\bfseries}
601 \renewcommand{\cftchappagefont}{\normalfont}
602 \renewcommand{\cftloftitlefont}{\normalfont\bfseries}

```

14.2 Define Environment for Custom Thesis List

```

603 \newenvironment{thesislist}[1]{%

```

```

604 \chapter*{\listname\ #1}
605 \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\listname\ #1}}{\listname\ #1}}
606 \begin{group}
607 }{\par\endgroup}

```

Define Leader Dots

14.3 Define Leader Dots Specifications

```

608 \renewcommand{\cftchapleader}{\cftdotfill{\cftdotsep}}
609 \renewcommand{\cftsecleader}{\cftdotfill{\cftdotsep}}
610 \renewcommand{\cftsubsecleader}{\cftdotfill{\cftdotsep}}
611 \renewcommand{\cftfigleader}{\cftdotfill{\cftdotsep}}
612 \renewcommand{\cfttableleader}{\cftdotfill{\cftdotsep}}
613 \renewcommand{\contentsname}{Table of Contents}

```

14.3.1 Parameters for Ensuring that

These should eventually be exposed as options with default values. `cftsecindent` and `cftsecnumwidth` define where the title starts.

```

614 \setlength{\cftsecindent}{1.5em}
615 \setlength{\cftsecnumwidth}{2em}

```

`cftsetrmarg` and `cftsetpnumwidth` define where the dotted leader ends and where the page number starts.

```

616 \cftsetrmarg{3cm}

```

Sets the right margin for the TOC entry

```

617 \cftsetpnumwidth{2cm}

```

Sets the width for the page number box

15 Abstract Environment

```

618 \newcounter{mt@page}
619 \renewenvironment{abstract}{%
620 \doublespacing
621 \begin{center}
622 {\bfseries\MakeTextUppercase{\@title}}\\
623 By\space\@author\\[4pt]
624 \@type\ %
625 \ifnum\numadv=2%
626 Co-Advisors: \@principalshort and \@secondadvisor
627 \else
628 Advisor: \@principalshort
629 \fi
630 \vskip 0.33in
631 \singlespacing
632 An Abstract of the \@type\ Presented\\
633 in Partial Fulfillment of the Requirements for the\\
634 Degree of \@degree\\
635 (in \@program)\\
636 \@submitdate
637 \vskip 36pt plus 2pt minus 12pt
638 \end{center}
639 \doublespacing

```

```

640 \begin{group}\par
641 \pagestyle{empty}
642 }
643 {\cleardoublepage
644 \par\endgroup
645 }

```

16 Lay Abstract Environment

```

646 \newenvironment{layabstract}[1]{%
647 \doublespacing
648 \begin{center}
649 {\bfseries\MakeTextUppercase{\@title}}\\
650 By\space\@author\[\[4pt]
651 \@type\ %
652 \ifnum\numadv=2%
653 Co-%
654 \fi%
655 Advisor%
656 \ifnum\numadv=2%
657 s%
658 \fi%
659 : \@principalshort
660 \vskip 0.33in
661 \singlespacing
662 A Lay Abstract of the \@type\ Presented\\
663 in Partial Fulfillment of the Requirements for the\\
664 Degree of \@degree\\
665 (in \@program)\\
666 \@submitdate
667 \vskip 26pt plus 2pt minus 12pt
668 \end{center}
669 Keywords: \MakeLowercase{#1}
670 \vskip 26pt plus 2pt minus 12pt
671 \doublespacing
672 \begin{group}\par
673 \pagestyle{empty}
674 }
675 {\cleardoublepage
676 \par\endgroup
677 }

```

17 Acknowledgements Environment

```

678 \newenvironment{acknowledgements}{%
679 \chapter*{\acknowledgename}
680 \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\acknowledgename}}{\acknowledgename}}
681 \doublespacing
682 \begin{group}
683 }{\par\endgroup}

```

18 Land Acknowledgements Environment

For Custom Land Acknowledgements

```

684 \newenvironment{landacknowledgements}{%
685     \chapter*{\landacknowledgename}
686     \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\landacknowledgename}}{}}
687     \doublespacing
688     \begingroup
689 }{\par\endgroup}

```

19 GRADUATE SCHOOL LAND ACKNOWLEDGMENT

Default GLSA Land Acknowledgement

```

690
691 \newcommand{\glsa}{%
692     \chapter*{UNIVERSITY OF MAINE GRADUATE SCHOOL LAND ACKNOWLEDGMENT}
693     The University of Maine recognizes that it is located on Marsh Island in the homeland of
        governance and self-determination.
694     \vfill
695     \clearpage
696 }

```

20 Seperators

20.1 Preliminary

Contents following this tag are front matter with roman numeral page numbering

```

697 \newcommand{\preliminary}{%
698     \pagenumbering{roman}
699     \setcounter{tocdepth}{1} % Sets the ToC depth to chapters and above
700     \setcounter{secnumdepth}{1} % Sets the section numbering depth to chapters and above
701 }

```

20.2 Main Matter

Contents following this tag are considered chapters

```

702 \newcommand{\mainmatter}{%
703     \cleardoublepage
704     \doublespacing
705     \pagenumbering{arabic}
706     \setcounter{tocdepth}{\value{secnumdefault}}
707     \setcounter{secnumdepth}{\value{secnumdefault}}
708 }

```

20.3 Appendix

All chapters after the Appendix flag are appendicies.

```

709 \renewcommand{\appendix}{%
710     \cleardoublepage
711     \doublespacing
712     \setcounter{tocdepth}{1} % Sets the ToC depth to chapters and above
713     \setcounter{secnumdepth}{1} % Sets the section numbering depth to chapters and above

```

```

714     \setcounter{chapter}{0}
715 ~ ~ \apptrue
716 ~ ~ \gdef\chaptername{Appendix} % This changes the name globally
717 ~ ~ \gdef\thechapter{\@Alph{c}chapter}% Changes the numbering globally
718 ~ ~ \ifmultipleappendices%
719         \cftaddtitleline{toc}{chapter}{\texorpdfstring{\MakeUppercase{Appendices}}{Appendices}}
720     \fi
721 }

```

We add Appendix to the chapter name for all appendices.

```

722 \pretocmd{\chapter}{\ifapp\renewcommand*\chaptername{Appendix}\fi}{-}{-}

```

21 Biography Environment

```

723 \newenvironment{biography}{%
724 ~ ~ \chapter*{\bioname}
725 ~ ~ \addtocontents{toc}{\protect\nopagebreak}
726 ~ ~ \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\bioname}}{\bioname}}
727 ~ ~ \begin{group}
728 ~ ~ \doublespacing
729 ~ ~ \thispagestyle{plain}
730 }{%

```

This section adds the required text as the last sentence of the biography.

```

731 ~ ~ \par
732 ~ ~ \ifx\@authorpronoun\empty
733 ~ ~ ~ ~ \@author
734 ~ ~ ~ ~ \else
735 ~ ~ ~ ~ \@authorpronoun
736 ~ ~ \fi%
737 ~ ~ \ is a candidate for the \@degree\ degree in \@program\ from the University of Maine in \
738 }

```

22 Copyright Page

The copyright page is automatically placed using the copyright page command.

```

739 \newcommand{\copyrightpage}{%
740     \setcounter{page}{3} % we must manually set the copyright page because of the runtime cal
741     \copyrightpagetrue
742     \onehalfspacing
743     \thispagestyle{plain}
744     \hbox{ }
745     \vfill
746     \begin{center}
747         \copyright \the\year{} \space \@author\
748         All Rights Reserved
749     \end{center}
750     \vfill
751     \clearpage
752 }

```

23 Dedication Environment

```

753 \newenvironment{dedication}{%
754     \chapter*{\dedicationname}
755     \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\dedicationname}}{\dedicationname}}
756     \vskip 0.5in
757     \doublespacing
758     \begin{group}
759     \begin{center}
760 }{\end{center}}\par\endgroup}

```

24 Preface Environment

This is an optional section in the front matter.

```

761 \newenvironment{preface}{%
762     \chapter*{\prefacename}
763     \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\prefacename}}{\prefacename}}
764     \doublespacing
765     \begin{group}\setcounter{secnumdepth}{0}
766 }{\setcounter{secnumdepth}{\value{secnumdefault}}}\par\endgroup}

```

25 Custom Formatting for References

The graduate school allows for field-specific citation styles, but requires. Note that the citation style is specified in the class options above and implemented with Biblatex and Biber.

The references command will render the references on a new page.

```

767 \newcommand{\references}{%
768     \cleardoublepage
769     \singlespacing

```

The references are added to the table of contents as a chapter.

```

770     \phantomsection
771     \addcontentsline{toc}{chapter}{\texorpdfstring{\MakeTextUppercase{\bibname}}{\bibname}}

```

The bibliography is printed from Biblatex and Biber.

```

772     \printbibliography
773 }
774 \end{package}

```

26 Change History

v1.0		v2.0
General: First public release	3	General: Refactor with New
\examplemacro: Deprecated		Dependencies, Update
Functions	4	Formatting 4

27 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols		
\@Alph	717	
\@LastLevel	209	
\@author ..	194, 230,	
	623, 650, 733, 747	
\@authorpronoun ...		
	195, 232, 732, 735	
\@bibfiles	268	
\@citestyle	142, 144, 172	
\@degree ..	197, 238,	
	548, 634, 664, 737	
\@degreesheld		
	196, 236, 532	
\@evenfoot	496, 504, 513	
\@evenhead	492, 501, 509	
\@fifthreader		
	207, 265, 593, 594	
\@firstreader		
	203, 253, 581, 582	
\@fourthreader		
	206, 262, 590, 591	
\@margg	90,	
	111, 112, 113, 313	
\@oddfoot ..	493, 496,	
	502, 504, 511, 513	
\@oddhead	490,	
	492, 499, 501, 507	
\@principaladvisor ..		
	200, 245, 569, 570	
\@principalshort ..		
	202, 244,	
	251, 626, 628, 659	
\@program ..	198, 240,	
	549, 635, 665, 737	
\@secondadvisor	201,	
	248, 577, 578, 626	
\@secondreader		
	204, 256, 584, 585	
\@submitdate	199, 242,	
	553, 636, 666, 737	
\@thirdreader		
	205, 259, 587, 588	
\@title	193, 234, 622, 649	
\@type	208,	
	273, 275, 545,	
	624, 632, 651, 662	
\\ ..	11, 527, 531, 545,	
	546, 547, 548,	
	549, 551, 552,	
	622, 623, 632,	
	633, 634, 635,	
	649, 650, 662,	
	663, 664, 665, 747	
_	354, 374, 402, 458,	
	604, 605, 624,	
	632, 651, 662, 737	
A		
\acknowledgename ..		
	225, 679, 680	
\addcontentsline ..		
	605, 680, 686,	
	726, 755, 763, 771	
\adddot ...	343, 360,	
	362, 390, 442, 446	
\adddotul ..	346, 414, 418	
\addtocontents	725	
\addul	345, 406, 468	
\apaheadings	351	
\appendix	59, 709	
\appendixname	221	
\appfalse	214	
\apptrue	715	
\author	10, 229	
\authorpronoun	231	
B		
\baselineskip	290	
\begin ...	33, 37, 41,	
	68, 96, 154, 305,	
	309, 321, 332,	
	335, 350, 371,	
	398, 426, 455,	
	476, 518, 526,	
	544, 559, 561,	
	621, 648, 746, 759	
\begingroup ...	606,	
	640, 672, 682,	
	688, 727, 758, 765	
\bfseries ..	354, 356,	
	358, 360, 362,	
	374, 382, 390,	
	402, 406, 410,	
	414, 430, 434,	
	438, 442, 446,	
	458, 460, 462,	
	464, 466, 520,	
	600, 602, 622, 649	
\bibfiles	267	
\bibname ..	218, 286, 771	
\bigtitlepagefalse ..	212	
\bigtitlepagetrue ..		
	280, 282	
\bioname ..	228, 724, 726	
\Blindtext	38	
\blindtext	42, 54, 57, 61	
C		
\c@chapter	717	
\captionsetup	341	
\centering	354, 374,	
	378, 402, 430, 458	
\cftaddtitleline ..	719	
\cftchapfont	600	
\cftchapleader	608	
\cftchappagefont ..	601	
\cftdotfill ...	608,	
	609, 610, 611, 612	
\cftdotsep ...	608,	
	609, 610, 611, 612	
\cftfigleader	611	
\cftloftitlefont ..	602	
\cftsecindent	614	
\cftsecleader	609	
\cftsecnumwidth ...	615	
\cftsetpnumwidth ..	617	
\cftsetrmarg	616	
\cftsubsecleader ..	610	
\cfttableader	612	
\chapter	53,	
	56, 60, 354, 355,	
	374, 375, 402,	
	403, 430, 431,	
	458, 459, 604,	
	679, 685, 692,	
	722, 724, 754, 762	
\chaptername ..	220,	
	223, 458, 716, 722	
\chapternamep	223	
\chaptertitlename ..		
	354, 374, 402	
\chicagoheadings ..	372	
\ClassError	73, 76	

<code>\cleardoublepage</code>	643, 675, 703, 710, 768				
<code>\clearpage</code>	598, 695, 751				
<code>\clubpenalty</code>	328				
<code>\color</code>	290				
<code>\comment</code>	287				
<code>\compresstitlepage</code>	276				
<code>\contentsname</code>	217, 613				
<code>\copyright</code>	747				
<code>\copyrightpage</code>	739				
<code>\copyrightpagefalse</code>	211				
<code>\copyrightpagetrue</code>	741				
<code>\csname</code>	480, 481, 516				
<code>\CurrentOption</code>	138				
D					
<code>\DeclareCaptionFormat</code>	337				
<code>\DeclareOption</code>	97, 98, 99, 100, 111, 112, 113, 115, 119, 123, 127, 131, 135, 136, 137, 138, 139, 140, 141, 143				
<code>\dedicationname</code>	227, 754, 755				
<code>\def</code>	90, 91, 111, 112, 113, 114, 118, 122, 126, 130, 134, 136, 137, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 333, 343, 345, 346				
<code>\degree</code>	13, 237				
<code>\degresheld</code>	11, 235				
<code>\dissacceptance</code>	75, 76				
<code>\docsize</code>	84, 97, 98, 99, 149				
<code>\documentclass</code>	2				
<code>\doublespacing</code>	540, 620, 639, 647, 671, 681, 687, 704, 711, 728, 757, 764				
<code>\draftfalse</code>	78				
<code>\drafttext</code>	107, 491, 494, 495, 500, 503, 508, 510, 512				
<code>\drafttrue</code>	100				
E					
<code>\else</code>	230, 232, 234, 236, 238, 240, 242, 244, 245, 248, 251, 253, 256, 259, 262, 265, 268, 298, 482, 491, 495, 500, 503, 508, 510, 512, 539, 569, 577, 581, 584, 587, 590, 593, 627, 734				
<code>\empty</code>	230, 232, 234, 236, 238, 240, 242, 243, 244, 245, 248, 251, 253, 256, 259, 262, 265, 268, 569, 577, 581, 584, 587, 590, 593, 732				
<code>\end</code>	39, 43, 63, 66, 92, 150, 303, 307, 319, 330, 365, 393, 421, 449, 471, 523, 533, 555, 596, 597, 638, 668, 749, 760				
<code>\endcsname</code>	481, 516				
<code>\endgroup</code>	607, 644, 676, 683, 689, 737, 760, 766				
<code>\examplemacro</code>	3, 72				
<code>\ExecuteOptions</code>	102, 146, 147				
<code>\expandafter</code>	548, 549, 553				
F					
<code>\fi</code>	230, 232, 234, 236, 238, 240, 242, 244, 245, 248, 251, 253, 256, 259, 262, 265, 268, 284, 292, 300, 302, 484, 491, 495, 500, 503, 508, 510, 512, 541, 558, 573, 575, 579, 583, 586, 589, 592, 595, 629, 654,				
G					
<code>\gdef</code>	230, 232, 234, 236, 238, 240, 242, 244, 245, 248, 251, 253, 256, 259, 262, 265, 268, 273, 275, 716, 717				
<code>\geometry</code>	310				
<code>\glsa</code>	691				
H					
<code>\hbox</code>	744				
<code>\HeadingStyle</code>	114, 118, 122, 126, 130, 134, 479, 480, 481				
<code>\hfil</code>	491, 494, 495, 500, 503, 508, 510, 512				
<code>\highlight</code>	295				
<code>\hl</code>	297				
<code>\hspace</code>	468				
I					
<code>\idecimalheadings</code>	427				
<code>\ifapp</code>	214, 722				
<code>\ifbigtitlepage</code>	212, 556				
<code>\ifcase</code>	277				
<code>\ifcopyrightpage</code>	211				
<code>\ifdefined</code>	479				
<code>\ifdraft</code>	78, 288, 296, 302, 491, 494, 500, 503, 508, 510, 512				
<code>\ifmt@legacycaptions</code>	82				
<code>\ifmt@loftspace</code>	83				
<code>\ifmt@official</code>	80				
<code>\ifmultipleappendices</code>	210, 718				
<code>\ifnum</code>	571, 625, 652, 656				
<code>\iftwoside</code>	79				
<code>\ifunbound</code>	81				
<code>\ifverybigtitlepage</code>	213, 537				
<code>\ifx</code>	230, 232, 234, 236, 238, 240, 242, 244, 245,				

248, 251, 253, 256, 259, 262, 265, 268, 569, 577, 581, 584, 587, 590, 593, 732	\ignore 294	\mt@loftspacetrue . 139	O
\indexname 219	\item . 570, 578, 582, 585, 588, 591, 594	\mt@officialfalse . . 109, 111, 112, 139	\oneadviser 271
\itemindent 565	\itemsep 562	\mt@officialtrue 80, 113	\onehalfspacing 538, 742
\itshape 358, 362, 382, 390		\mt@pagestyle . . 91, 136, 137, 515, 516	\or 279, 281
J		\multipleappendicesfalse 210	P
\jdecimalheadings . 456		\multipleappendicestrue 29	\pagenumbering 698, 705
L		N	\pagestyle 515, 641, 673
\landacknowledgename 226, 685, 686		\NeedsTeXFormat . . . 70	\par 607, 640, 644, 672, 676, 683, 689, 731, 737, 760, 766
\leftmargin 566		\newcommand . . 72, 75, 84, 85, 107, 142, 222, 223, 224, 225, 226, 227, 228, 231, 235, 237, 239, 241, 243, 247, 250, 252, 255, 258, 261, 264, 267, 269, 270, 271, 272, 274, 276, 287, 294, 295, 336, 351, 372, 399, 427, 456, 489, 506, 691, 697, 702, 739, 767	\paragraph 362, 363, 390, 391, 418, 419, 446, 447, 466, 467
\libraryrights . . 72, 73		\newcount . . . 215, 216	\parindent 326, 361, 363, 391, 443, 447, 565
\linenumbers 302		\newcounter . 86, 88, 618	\partopsep 564
\listname . 222, 604, 605		\newenvironment 603, 646, 678, 684, 723, 753, 761	\PassOptionsToClass . . . 97, 98, 99, 105, 111, 112, 138
\LoadClass 149		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	\PassOptionsToPackage 140, 141
\loftspacing 336		\nopagebreak 725	\phantomsection . . . 770
M		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	\postauthor 530
\mainethesisheadings 399		\newcount . . . 215, 216	\posttitle 522
\mainmatter 49, 702		\newcounter . 86, 88, 618	\preauthor 525
\MakeLowercase 669		\newenvironment 603, 646, 678, 684, 723, 753, 761	\prefacename 224, 762, 763
\MakeTextUppercase 291, 354, 374, 378, 382, 402, 460, 520, 545, 605, 622, 649, 680, 686, 726, 755, 763, 771		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	\preliminary . . . 34, 697
\maketitle 35		\nopagebreak 725	\pretile 517
\maketitlehooka . . . 535		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	\pretocmd 722
\maketitlehookd . . . 543		\newcount . . . 215, 216	\principaladviser 17, 243
\MakeUppercase 458, 528, 719		\newcounter . 86, 88, 618	\principalshort 20, 250
\marginpar 289		\newenvironment 603, 646, 678, 684, 723, 753, 761	\printbibliography . 772
\markboth 327		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	\ProcessOptions . . . 148
\members . . . 254, 257, 260, 263, 266, 269		\nopagebreak 725	\program 14, 239
\MessageBreak . . . 73, 76		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	\project 274
\mt@legacycaptionsfalse 82		\newcount . . . 215, 216	\protect . . . 73, 76, 725
\mt@legacycaptionstrue 135		\newcounter . 86, 88, 618	\ProvidesPackage . . 71
\mt@loftspacefalse . 83		\newenvironment 603, 646, 678, 684, 723, 753, 761	\ps@bottom 489
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	\ps@empty 498
		\nopagebreak 725	\ps@plain 516
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	\ps@top 506
		\newcount . . . 215, 216	R
		\newcounter . 86, 88, 618	\raggedbottom 324
		\newenvironment 603, 646, 678, 684, 723, 753, 761	\raggedright 325
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	\references 767
		\nopagebreak 725	\relax 278, 326
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	\renewcommand 97, 98, 99, 111,
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 601, 602	
		\newcount . . . 215, 216	
		\newcounter . 86, 88, 618	
		\newenvironment 603, 646, 678, 684, 723, 753, 761	
		\newif . . . 78, 79, 80, 81, 82, 83, 210, 211, 212, 213, 214	
		\nopagebreak 725	
		\normalfont . . . 354, 356, 358, 360, 362, 374, 378, 382, 386, 390, 402, 406, 410, 414, 418, 430, 434, 438, 442, 446, 458, 460, 462, 464, 466, 468, 600, 6	

