

The `siuethesis` class*

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1 Introduction

The `siuethesis` document class is a derivative of the excellent `iuthesis` class that was written by Norman Danner for students at Indiana University Bloomington. `siuethesis` provides output for masters thesis that are (hopefully!) acceptable to the Graduate School of Southern Illinois University Edwardsville. It is based on the `book` document class and loads a number of packages, in particular: `amsmath`, `amsthm`, `amssymb`, `subfigure`, `fancyhdr`, `ulem`, `space`, and `pdfpages`. One limitation is that second level headings do not automatically line break. You can force them to break by putting `_` (that's slash-space) instead of just a space near where the section heading should break. This kludge is suggested by the `ulem` documentation.

2 The Options

The following are the options that may be specified as optional arguments to the `\documentclass` line.

final This option suppresses printing of the draft message and is also passed to `book` and all packages that you load. Of course, it seems pointless since you might as well just not specify **draft** as an option, but it is here so that it can also be passed to packages that you may only want loaded during draft runs (e.g., if you use the `showkeys` package, it will only really be loaded if it is not passed the **final** option).

single Single-space the thesis. Of course, you cannot use this for the official copy, but it saves paper if you want to print out a copy for yourself.

draft Prints a message on the top of each page and also passes “draft” to the `book` class.

*This document corresponds to `siuethesis` v0.2.5, dated 2015/06/09.

twoadvisors Changes the abstract page to permit the use of two advisors. This is experimental; it is not clear how the graduate school deals with multiple advisors.

All other options (e.g., **11pt**) are passed to **book**. The default option is **final**. The **oneside** option is automatically passed to **book**.

3 Using the siuethesis Document Class

Figure ?? shows a sample galley file using the **siuethesis** document class. Here, we describe in order each of the commands and environments used. Of course, we start with a **\documentclass** command, which should need no additional explanation. You should put your own **\usepackage** commands and local macro definitions between the **\documentclass** and **\title** commands. The AMS classes **amsmath**, **amssymb**, and **amssymb** packages are automatically loaded; you should not explicitly load any of these. As far as I know, the class provided works with **hyperref** (but not when the single option is activated).

\title	The \title and \author command specify the title and author of your dissertation (presumably the latter is you). These macros do <i>not</i> take any optional arguments (for example, to specify short versions).
\author	
\advisor	Use the \advisor and reader macros to specify your advisor and other committee members' names. The macros take two possible forms. If you want to specify an honorific on the first page, then use the format \advisor{Dr.}{Jill Smith} .
\secondadvisor	If you do not wish to specify with honorific, use \advisor{Jill Smith} . If the
\secondreader	first argument is present it may not be empty. All the other advisor/reader macros
\thirdreader	behave the same. If the twoadvisors option is passed to the class then the
\fourthreader	\secondadvisor macro is used; otherwise it is ignored. This macro can be used
\fifthreader	to change the text on the abstract page that refers to the committee chair.
\abstracttext	
\department	Use the \department , \submitdate , and \copyrightyear macros to spec-
\submitdate	ify the department in which you will receive your degree (default is "Mathe-
\copyrightyear	matics and Statistics"), when you actually hold the defense, and the year of
\departmentname	the copyright (usually the year of graduation). The command \major spec-
\major	ifies the major to appear on the title page. You do not need to specify the
\degree	copyright year if you do not use \copyrightpage . Use the \departmentname
\undergraddegree	macro to specify what to call your "department" if something other than "De-
\refname	partment" (e.g., if your thesis is in the School of Library and Information Sci-
	ences, you would have \department{Library and Information Sciences} and
	\departmentname{School} in your preamble so that the title page would say
	"School of Library and Information Sciences"). The default is "Department".
	Use the \degree macro to specify the degree you are seeking (the default is Mas-
	ter of Science). Use the \highestdegree to specify your highest earned degree
	(usually a bachelor's degree or a master's in another field), which is shown on the
	title page. The default is Bachelor of Science. The \refname macro specifies the
	name of the references section; the default is "REFERENCES". Any name must
	be in all caps.

<code>acknowledgements</code>	These environments typeset the optional abstract and acknowledgements sections.
<code>abstract</code>	
<code>\frontmatter</code>	The <code>\frontmatter</code> command must come before any text is actually typeset (including the title page). Primarily it sets up page numbering correctly. The title page will be unnumbered, and every other page that occurs between the <code>\frontmatter</code> and <code>\mainmatter</code> commands will be given page numbers in lower-case roman type, starting with page ii. The order in which the next set of commands before the <code>\mainmatter</code> command are issued is specified by the Graduate School; they'll be unhappy if you do anything else (although currently the document class will let you do whatever you want).
<code>\maketitle</code>	The <code>\maketitle</code> command prints the title page. This page is formatted as prescribed by the graduate school.
<code>\copyrightpage</code>	The <code>\copyrightpage</code> command creates the copyright page (go figure). It is optional.
<code>\tableofcontents</code>	The <code>\tableofcontents</code> command is the usual one. It is here just to point out where it should appear (i.e., as front matter). Likewise any other such lists, such as a list of figures, should also appear here.
<code>\listoffigures</code>	
<code>\listoftables</code>	
<code>\mainmatter</code>	Put the <code>\mainmatter</code> command just before the actual text of your dissertation. Pages will be numbered in arabic starting over at page 1. Following the <code>\mainmatter</code> command will either be your thesis, or (more likely) a sequence of <code>\include</code> commands to include the files containing the various chapters of your thesis, as shown here. Also notice that appendices, bibliography, and the index (if you have any of them) are considered part of the main matter, and these are all created as usual. I don't know whether appendices and the index work properly right now. You are responsible for putting <code>\thispagestyle{empty}</code> on the first page of your first chapter (only) to ensure that no page number is printed there.
<code>\singleappendix</code>	These commands set the proper formatting of appendices. Use <code>\singleappendix</code> if you have only one appendix; you <i>must</i> then use the <code>\chapter*</code> command to begin your appendix. Use <code>\multipleappendices</code> if you have more than one appendix; you <i>must</i> then use the <code>\chapter</code> command to begin each appendix. The reason for this is that the graduate school has different formatting requirements for the table of contents depending on whether there is one or more appendices.
<code>\multipleappendices</code>	
<code>\references</code>	The <code>\references</code> command sets up the proper formatting for the bibliography. It puts the "REFERENCES" heading but does not actually produce the bibliography.
<code>\refname</code>	

4 Implementation

<code>\ifIUT@debugging</code>	Some miscellaneous macros for debugging and displaying what options have been chosen in the <code>\documentclass</code> command. Also sets up an if-statement required for the <code>twoadvisors</code> option.
<code>\IUT@debuggingtrue</code>	
<code>\IUT@debuggingfalse</code>	
<pre>1 \newif\ifIUT@debugging \IUT@debuggingtrue \IUT@debuggingfalse 2 \newif\ifIUT@twoadvisors \IUT@twoadvisorstrue \IUT@twoadvisorsfalse 3 \def\IUT@dbgmgs#1{\ifIUT@debugging\message{#1}\fi} 4 \def\IUT@optionmsg#1{\message{ siuethesis option: #1}}</pre>	

Now start handling the options, along with any additional macros, conditionals, etc. they may rely upon. Unless the **draft** option is given, no draft line will be displayed. It is not currently possible to modify the draft message. We also pass the **draft** option to **book**.

```

5 \def\dm@internal{}
6 \DeclareOption{draft}{
7   \IUT@optionmsg{draft}
8   \def\dm@internal{DRAFT: \today}
9   \PassOptionsToClass{draft}{book}
10 }

```

The **final** option causes the previous two macros to be a no-op and empty, respectively, and is also passed to **book**.

```

11 \DeclareOption{final}{
12   \IUT@optionmsg{final}
13   \def\dm@internal{}
14   \PassOptionsToClass{final}{book}
15 }

```

ms for Master of Science, **ma** for Master of Arts. **\degree** is called when **\@degree** is initially defined, so we just override it at the end of class loading.

```

16 \DeclareOption{ms}{
17   \AtEndOfClass{\degree{Master of Science}}
18 }
19 \DeclareOption{ma}{
20   \AtEndOfClass{\degree{Master of Arts}}
21 }

```

Make the document single-spaced.

```

22 \DeclareOption{single}{
23   \AtEndOfClass{\def\IUT@blstretch{1}}
24 }

```

Set the abstract for two advisors

```

25 \DeclareOption{twoadvisors}{
26   \IUT@twoadvisorstrue
27 }

```

Turn on debugging output.

```

28 \DeclareOption{debug}{
29   \IUT@debuggingtrue
30 }

```

Set everything up. The **hassections** counter is used to ensure appropriate spacing in the table of contents.

```

31 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
32 \ExecuteOptions{abstractsigs}
33 \ProcessOptions
34
35 \PassOptionsToClass{oneside}{book}
36 \LoadClass{book}[1995/01/27]

```

```

37 \RequirePackage{amsmath,subfig,amssymb,amsthm,fancyhdr,xspace}
38 \RequirePackage[left=1.5in,top=1in,right=0.75in,bottom=0.8in,includehead, heightrounded,letterp
39 \usepackage[titles,subfigure]{tocloft}
40 \setcounter{tocdepth}{2}
41 \usepackage[normalem]{ulem}
42 \newcounter{hassections}[chapter]

```

Preamble Commands There will only be one author, and his/her name will only appear on the title page and only in full form, so there is no need for the short form or andifying that `amsbook` does. Nothing interesting with `\title` is currently done by `amsbook`, but we make sure that nothing interesting ever happens, except that we immediately convert it into uppercase. The reason is that we may need an uppercase version twice (for `umiabstract`), and it seems that `\uppercasenonmath` hangs if you use it a second time on the same argument.

```

43 \renewcommand{\author}[1]{\gdef\@author{#1}}\let\@author\relax
44 \renewcommand{\title}[1]{\gdef\@title{#1}}\let\@title\relax
45
46 \def\submitdate#1{\gdef\@submitdate{#1}}\let\@submitdate\relax
47 \def\defensedate#1{\gdef\@defensedate{#1}}\let\@defensedate\relax
48 \def\department#1{\gdef\@department{#1}}\department{Mathematics and Statistics}
49 \def\major#1{\gdef\@major{#1}}\major{Mathematics}
50 \def\departmentname#1{\gdef\@departmentname{#1}}\departmentname{Department}
51 \def\degree#1{\gdef\@degree{#1}}\degree{Master of Science}
52 \def\undergraddegree#1{\gdef\@highestdegree{#1}}
53 \def\highestdegree#1{\gdef\@highestdegree{#1}}\highestdegree{Bachelor of Science}
54 \def\advisor#1{%
55 \ifnextchar\bgroup%
56   {\@twoargadvisor{#1}}
57   {\@oneargadvisor{#1}}
58 }
59 \def\@oneargadvisor#1{%
60   \gdef\@principaladvisor{#1}\gdef\@advisorhonorific{}%
61 }
62 \def\@twoargadvisor#1#2{%
63   \gdef\@principaladvisor{#2}\gdef\@advisorhonorific{#1\@xspace}%
64 }\let\@principaladvisor\relax
65 %%\def\secondadvisor#1{\gdef\@secondaryadvisor{#1}}\let\@secondaryadvisor\relax
66 \def\secondadvisor#1{%
67 \ifnextchar\bgroup%
68   {\@twoargsecadvisor{#1}}
69   {\@oneargsecadvisor{#1}}
70 }
71 \def\@oneargsecadvisor#1{%
72   \gdef\@secondaryadvisor{#1}\gdef\@secondaryadvisorhonorific{}%
73 }
74 \def\@twoargsecadvisor#1#2{%
75   \gdef\@secondaryadvisor{#2}\gdef\@secondaryadvisorhonorific{#1\@xspace}%
76 }\let\@secondaryadvisor\relax
77 %%\def\secondreader#1{\gdef\@secondreader{#1}}\let\@secondreader\relax

```

```

78 \def\secondreader#1{%
79 \@ifnextchar\bgroup%
80   {\@twoargsecreader{#1}}
81   {\@oneargsecreader{#1}}
82 }
83 \def\@oneargsecreader#1{%
84   \gdef\@secondreader{#1}\gdef\@secondreaderhonoriffic{}%
85 }
86 \def\@twoargsecreader#1#2{%
87   \gdef\@secondreader{#2}\gdef\@secondreaderhonoriffic{#1\@xspace}%
88 }\let\@secondreader\relax\let\@secondreaderhonoriffic\relax%
89 %%%\def\thirdreader#1{\gdef\@thirdreader{#1}}\let\@thirdreader\relax
90 \def\thirdreader#1{%
91 \@ifnextchar\bgroup%
92   {\@twoargthirdreader{#1}}
93   {\@oneargthirdreader{#1}}
94 }
95 \def\@oneargthirdreader#1{%
96   \gdef\@thirdreader{#1}\gdef\@thirdreaderhonoriffic{}%
97 }
98 \def\@twoargthirdreader#1#2{%
99   \gdef\@thirdreader{#2}\gdef\@thirdreaderhonoriffic{#1\@xspace}%
100 }\let\@thirdreader\relax\let\@thirdreaderhonoriffic\relax%
101 %%%\def\fourthreader#1{\gdef\@fourthreader{#1}}\let\@fourthreader\relax
102 \def\fourthreader#1{%
103 \@ifnextchar\bgroup%
104   {\@twoargfourthreader{#1}}
105   {\@oneargfourthreader{#1}}
106 }
107 \def\@oneargfourthreader#1{%
108   \gdef\@fourthreader{#1}\gdef\@fourthreaderhonoriffic{}%
109 }
110 \def\@twoargfourthreader#1#2{%
111   \gdef\@fourthreader{#2}\gdef\@fourthreaderhonoriffic{#1\@xspace}%
112 }\let\@fourthreader\relax\let\@fourthreaderhonoriffic\relax%
113 %%%\def\fifthreader#1{\gdef\@fifthreader{#1}}\let\@fifthreader\relax
114 \def\fifthreader#1{%
115 \@ifnextchar\bgroup%
116   {\@twoargfifthreader{#1}}
117   {\@oneargfifthreader{#1}}
118 }
119 \def\@oneargfifthreader#1{%
120   \gdef\@fifthreader{#1}\gdef\@fifthreaderhonoriffic{}%
121 }
122 \def\@twoargfifthreader#1#2{%
123   \gdef\@fifthreader{#2}\gdef\@fifthreaderhonoriffic{#1\@xspace}%
124 }\let\@fifthreader\relax\let\@fifthreaderhonoriffic\relax%
125 \def\abstracttext#1{\gdef\@abstracttext{#1}}
126 \ifIUT@twoadvisors\abstracttext{Chairpersons: Professors \check@val\@principaladvisor ~and \che
127 \def\refname#1{\gdef\@refname{#1}}\refname{REFERENCES}

```

```

128
129 \def\copyrightyear#1{\gdef\@copyrightyear{#1}}
130 \let\@copyrightyear\relax
131
132 \def\@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
133     \if@mainmatter
134         \refstepcounter{chapter}%
135         \typeout{\@chapapp\space\thechapter.}%
136         \addcontentsline{toc}{chapter}%
137             {\protect\numberline{\thechapter .}#1}%
138     \else
139         \addcontentsline{toc}{chapter}{#1}%
140     \fi
141 \else
142     \addcontentsline{toc}{chapter}{#1}%
143 \fi
144 \chaptermark{#1}%
145 \addtocontents{lof}{\protect\addvspace{10\p@}}%
146 \addtocontents{lot}{\protect\addvspace{10\p@}}%
147 \if@twocolumn
148     \topnewpage[\@makechapterhead{#2}]%
149 \else
150     \makechapterhead{#2}%
151     \afterheading
152 \fi}

```

Front Matter Commands

Creates an abstract environment for the book class (book doesn't have one built in)

```

153 \newenvironment{abstract}{\clearpage
154 \label{abstract}
155 \addcontentsline{toc}{part}{ABSTRACT}
156 \begin{center}{ABSTRACT}\\ \end{center}
157 \begin{center}\MakeUppercase{\check@val\@title}\\ \end{center}
158 \begin{center}by\\ \end{center}
159 \begin{center}\MakeUppercase{\check@val\@author}\\ \end{center}
160 \begin{center}\@abstracttext%
161 \hspace{0pt}\\ \end{center} \renewcommand{\baselinestretch}{2.0}\selectfont
162 }{\clearpage \renewcommand{\baselinestretch}{1.0}
163 }\clearpage
164 }

```

The title page is prescribed by the graduate school.

```

165 \def\maketitle{
166     \pagenumbering{alph}
167 \begin{titlepage}
168 \begin{sloppypar}
169 \begin{center}

```

```

170 \ \[1\baselineskip]
171 \check@val\@title\ \[1\baselineskip]
172 by \check@val\@author, \check@val\@highestdegree \ \[6\baselineskip]
173 A Thesis Submitted in Partial \ \
174 Fulfillment of the Requirements \ \
175 for the Degree of \ \
176 \check@val\@degree\ \ \
177 in the field of \check@val\@major\ \ \[5\baselineskip]
178 Advisory Committee:\ \[1\baselineskip]
179 \ifIUT@twoadvisors \else \@advisorhonorific\check@val\@principaladvisor, Chair \ \[1\baselineskip]
180 \ifIUT@twoadvisors \@advisorhonorific\check@val\@principaladvisor, Co-chair \ \[1\baselineskip]
181 \ifIUT@twoadvisors \@secondaryadvisorhonorific\check@val\@secondaryadvisor, Co-chair \ \[1\baselineskip]
182 \@secondreaderhonorific\check@val\@secondreader\ \ \[1\baselineskip]
183 \@thirdreaderhonorific\@thirdreader\ \ \[1\baselineskip]
184 \@fourthreaderhonorific\@fourthreader\ \ \[1\baselineskip]
185 \@fifthreaderhonorific\@fifthreader\ \ \[1\baselineskip]
186 \ \[4\baselineskip]
187 Graduate School \ \
188 Southern Illinois University Edwardsville \ \
189 \check@val\@submitdate
190 \end{center}
191 \end{sloppypar}
192
193 \end{titlepage}
194 }

Acknowledgments section
195 \newenvironment{acknowledgements}{\clearpage
196 \label{acknowledgements}
197 \addcontentsline{toc}{part}{ACKNOWLEDGEMENTS}
198 \begin{center}{ACKNOWLEDGEMENTS} \end{center}
199 \renewcommand{\baselinestretch}{2.0}\selectfont
200 }{\clearpage \renewcommand{\baselinestretch}{1.0}\selectfont
201 }
202 % \end{macrocode}
203
204
205 % According to Shelly Robinson the copyright page gets no page number if it appears.
206 % \begin{macrocode}
207 \def\copyrightpage{%
208 \typeout{Copyright Page}%
209 \newcounter{temppage} % place to store the current page number
210 \setcounter{temppage}{\arabic{page}}
211 \pagenumbering{Alph}
212 \thispagestyle{empty} %no page number
213 \addtocounter{page}{-1} %ignore this page when counting
214 \hbox{}\vfill%
215 \begin{center}%
216 \copyright ~Copyright by \check@val\@author ~\check@val\@submitdate \ \
217 All rights reserved%

```



```

218 \end{center}%
219 \vfill%
220 \newpage%
221 \pagenumbering{roman}%
222 \setcounter{page}{\thetempage}%
223 }

```

The dedication is untitled and set one inch from the top margin, unless a different vertical skip is specified by the optional argument to `\makededication`. This is a holdover from IU Thesis class; I'm not sure if SIUE Grad School allows for a dedication.

```

224 \newcommand{\makededication}[1][1in]{
225   \ifvoid\dedicationbox\else
226     \typeout{Dedication}
227     \hbox{}\vskip#1\unvbox\dedicationbox\vfill%
228     \newpage
229   \fi
230 }

```

We redefine `\l@XXX` so that the table of contents is properly aligned “under the p in Chapter”. At the moment the class will not behave properly if the font is changed because the class does not calculate the length of “Cha”. Same for “Figure”.

```

231 \let\tocbaselineskip\baselineskip
232 %%\renewcommand*\l@part{\@dottedtocline{-1}{0em}{2.3em}}
233 %%\renewcommand*\l@chapter{\@dottedtocline{0}{1.8em}{2em}} %1.8 + 1.5 = 3.3
234 \def\l@part#1#2{{
235   \@dottedtocline{-1}{0em}{2.3em}{#1}{#2} \vskip \baselineskip}}
236 \def\l@chapter#1#2{{
237   \vskip \tocbaselineskip
238   \hangindent=1em\@dottedtocline{0}{1.8em}{2em}{#1}{#2} }}
239 \renewcommand*\l@section{\hangindent=1em\@dottedtocline{1}{3.8em}{2em}}
240 \renewcommand*\l@subsection{\hangindent=1em\@dottedtocline{2}{8em}{3em}}
241 \renewcommand*\l@subsubsection{\hangindent=1em\@dottedtocline{3}{1.8em}{2.3em}}
242 \renewcommand*\l@figure{\setlength\@tempdima{2.9em}%
243   \hangindent=1.8em\@dottedtocline{1}{1em}{\@tempdima}}
244 \renewcommand*\l@table{\setlength\@tempdima{2.9em}%
245   \hangindent=1.8em\@dottedtocline{1}{1em}{\@tempdima}}
246 %% have a look at http://www.tex.ac.uk/cgi-bin/texfaq2html?label=findwidth

```

Sets formatting of TOC, LOF. Similar for list of tables and figures.

```

247 \renewcommand{\bibname}{\check@val\@refname}
248
249 \def\tableofcontents{
250   \bgroup
251   \renewcommand{\baselinestretch}{1.0}\renewcommand{\@tocrmarg}{5em plus1fil} %singlespacing and
252   \begin{center}{TABLE OF CONTENTS}\end{center}
253   %%\begin{center}\hspace{0pt}\hspace{0pt}\end{center} % S. Robinson prefers this spacing
254   \@starttoc{toc}%%\contentsname
255   \egroup

```

```

256 }
257 \def\listoffigures{
258   \bgroup
259   \renewcommand{\baselinestretch}{1.0}\renewcommand{\@tocrmarg}{5em plus1fil}
260   \addcontentsline{toc}{part}{LIST OF FIGURES}
261 \begin{center}{LIST OF FIGURES}\\ \end{center}
262 %\begin{center}\hspace{0pt}\hspace{0pt}\\ \end{center} % S. Robinson prefers this spacing
263   \@starttoc{lof}%%\listfigurename
264   \egroup
265 }
266 \def\listoftables{
267   \bgroup
268   \renewcommand{\baselinestretch}{1.0}\renewcommand{\@tocrmarg}{5em plus1fil}
269   \addcontentsline{toc}{part}{LIST OF TABLES}
270 \begin{center}{LIST OF TABLES}\\ \end{center}
271 %\begin{center}\hspace{0pt}\hspace{0pt}\\ \end{center} % S. Robinson prefers this spacing
272   \@starttoc{lot}%%\listfigurename
273   \egroup
274 }

```

Front matter has page numbers at the bottom in lower roman type.

```

275 \def\frontmatter{\cleardoublepage\pagenumbering{roman}\setcounter{page}{2}\fancypagestyle{plain}
276 \fancyhf{} %% clear all header and footer fields
277   \renewcommand{\headrulewidth}{0pt}
278 \fancyfoot[C]{\thepage} %% except the center
279 \fancyhead[L]{} %% except the center
280 }
281 \pagestyle{plain}}

```

Main matter uses fancy page style, arabic numbering, and double spacing.

```

282 \def\mainmatter{
283   \cleardoublepage
284   \pagenumbering{arabic}
285   \addtocontents{toc}{\noindent\protect\mbox{Chapter}\par}
286 \addtocontents{lof}{\noindent\protect\mbox{Figure}\hfill\protect\makebox[1em]{Page}\par}
287 \addtocontents{lot}{\noindent\protect\mbox{Table}\hfill\protect\makebox[1em]{Page}\par}
288   \pagestyle{fancy}
289   \renewcommand{\headrulewidth}{0pt}
290 \fancypagestyle{plain}{%
291 \fancyhf{} %% clear all header and footer fields
292 \fancyhead[R]{\thepage} %% except the center
293 \fancyhead[L]{\normalfont\scriptsize \tt \dm@internal}
294 }
295 \pagestyle{fancy}
296 \lhead{\normalfont\scriptsize \tt \dm@internal}
297 \chead{}
298 \rhead{\thepage}
299 \lfoot{}
300 \cfoot{}
301 \rfoot{}
302   \renewcommand{\baselinestretch}{\IUT@blstretch}

```

```

303 \normalfont
304 }
305 \def\references{
306     \newcommand{\BibHangIndent}{% %from https://groups.google.com/forum/#!topic/comp.text.tex/j
307         \setlength{\labelwidth}{0pt}%
308         \setlength{\leftmargin}{2\leftmargin}%
309         \setlength{\itemindent}{-\leftmargin}%
310         \renewcommand{\makelabel}[1]{\hspace\labelsep####1}%
311     }
312 \cleardoublepage
313 \pagestyle{fancy}
314 \renewcommand{\headrulewidth}{0pt}
315 \fancypagestyle{plain}{%
316 \fancyhf{} %% clear all header and footer fields
317 \fancyhead[R]{\thepage} %% except the center
318 \fancyhead[L]{\normalfont\scriptsize \tt \dm@internal}
319 }
320 \pagestyle{fancy}
321 \lhead{\normalfont\scriptsize \tt \dm@internal}
322 \chead{}
323 \rhead{\thepage}
324 \lfoot{}
325 \cfoot{}
326 \rfoot{}
327 \addtocontents{toc}{\noindent\protect\vskip\baselineskip\par}
328 \addcontentsline{toc}{part}{\check@val\@refname}
329 \renewcommand{\baselinestretch}{1.0}
330 \normalfont
331 \begin{center}{REFERENCES}\\ \end{center}
332 }
333 %
334 %\end{macrocode}
335
336 % Set style of section, subsection, etc. (code from amsbook.cls)
337 %\begin{macrocode}
338 \newdimen\linespacing
339 \normalsize \linespacing=\baselineskip
340 \newdimen\normalparindent
341 \normalparindent=18pt
342 \parindent=\normalparindent
343 \def\section{\ifnum \value{hassections} < 1 \addtocontents{toc}{\noindent\protect \vskip \basel
344 \z@{.7\linespacing\@plus\linespacing}{.5\linespacing}%
345

```

The code above puts a blank line in the TOC if this is the first line of the section.

```

346 {\normalfont\flushleft\underline{}}\def\subsection{\@startsection{subsection}{2}%
347 \z@{.7\linespacing\@plus\linespacing}{.5\linespacing}%
348 {\normalfont\itshape\flushleft}}
349 \def\subsubsection{\@startsection{subsubsection}{3}%
350 \z@\z@{-.5em}%

```

```

351 {\normalfont\itshape\flushleft}}
352 \def\paragraph{\@startsection{paragraph}{4}%
353 \normalparindent\z@{-\fontdimen2\font}%
354 \normalfont}
355 \def\subparagraph{\@startsection{subparagraph}{5}%
356 \z@\z@{-\fontdimen2\font}%
357 \normalfont}
358

```

Set style of the chapter headings (code from book.cls)

```

359 \def\@makechapterhead#1{%
360 {\parindent \z@ \raggedright \normalfont
361 \ifnum \c@secnumdepth >\m@ne
362 \if@mainmatter
363 \normalsize \centering\MakeUppercase\@chapapp\space \thechapter
364 \par\nobreak
365 \vskip 10\p@
366 \fi
367 \fi
368 \interlinepenalty\@M
369 \centering#1\par\nobreak
370 \vskip 20\p@
371 }}

```

Set style of the starred-chapter headings (code from book.cls)

```

372 \def\@makeschapterhead#1{%
373 {\parindent \z@ \raggedright \normalfont
374 \ifnum \c@secnumdepth >\m@ne
375 \if@mainmatter
376 \normalsize \centering\MakeUppercase\@chapapp\space \thechapter
377 \par\nobreak
378 \vskip 10\p@
379 \fi
380 \fi
381 \interlinepenalty\@M
382 \centering#1\par\nobreak
383 \vskip 20\p@
384 }}

```

Ensure that bibliography has the same style as TOC, etc.

```

385 \renewenvironment{thebibliography}[1]
386 {\% \begin{center} {\check@val\@refname} \end{center}
387 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
388 \list{\@biblabel{\@arabic\c@enumiv}}%
389 {\settowidth\labelwidth{\@biblabel{#1}}%
390 \leftmargin\labelwidth
391 \advance\leftmargin20pt% change 20 pt according to your needs
392 \advance\leftmargin\labelsep
393 \setlength\itemindent{-20pt}% change using the inverse of the length used before
394 \@openbib@code
395 \usecounter{enumiv}%

```

```

396         \let\p@enumiv\@empty
397         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
398     \sloppy
399     \clubpenalty4000
400     \@clubpenalty \clubpenalty
401     \widowpenalty4000%
402     \sfcode'\.\@m}
403     {\def\@noitemerr
404       {\@latex@warning{Empty 'thebibliography' environment}}}%
405     \endlist}

```

Back matter (for vita only) gets empty page style (no numbering) and single spacing. Not tested with Appendices; SIUE requires no vita.

```

406 \def\backmatter{
407   \newpage
408   \pagestyle{empty}
409   \renewcommand{\baselinestretch}{1}
410   \normalfont
411 }

```

Sets style for the appendices; a different style is required if there is a single vs. multiple appendices

```

412 \def\singleappendix{
413   \renewcommand{\baselinestretch}{2.0}\selectfont
414   \cleardoublepage
415   \addcontentsline{toc}{part}{APPENDIX}
416 \addtocontents{toc}{\def\tocbaselineskip{0em}} %cause single spacing of appendices in TOC
417   \setcounter{chapter}{0}%
418   \setcounter{section}{0}%
419   \gdef\@chapapp{\appendixname}%
420   \gdef\thechapter{\@Alph\c@chapter}
421 }

422 \def\multipleappendices{
423   \renewcommand{\baselinestretch}{2.0}\selectfont
424   \cleardoublepage
425   \addcontentsline{toc}{part}{APPENDICES}
426   \addtocontents{toc}{\vskip-\baselineskip} %correct for an extra space caused by double spa
427   \setcounter{chapter}{0}%
428   \setcounter{section}{0}%
429   \gdef\@chapapp{\appendixname}%
430   \gdef\thechapter{\@Alph\c@chapter}
431 }

```

Utility Macros \check@val checks to see that its argument has been defined; if so, it is used, otherwise a warning is issued and ??? printed. Those comment markers at the end of lines are necessary—otherwise we get stray spaces.

```

432 \def\check@val#1{%
433   \ifx#1\relax%
434     \typeout{}%

```

```

435 \typeout{!!!!!!!}%
436 \typeout{Warning: #1 not set!}%
437 \typeout{!!!!!!!}%
438 \hbox{???}%
439 \else%
440 #1%
441 \fi%
442 }

```

The `\baselinestretch` is set according to typeset (LC, page 53). `\@mainsize` is an AMS macro that gives the (multiple digit) main font size. This may be overridden by the **single** option.

```

443 \def\IUT@blstretch{1.67}

Initialize things.

444 %\pagestyle{chapter}
445 \pagenumbering{arabic}
446 \normalsize

```

Change History

v.0.1.6	General: Added option to allow use of the class with amsrefs. Also added an option for two advisors (experimental). 1	v.0.1.9	General: Increased headlight and fixed issues with hyper ref that caused warnings to be generated. (Thanks to Vincent Kieftenbeld from Math/Stats.) 1
v.0.1.7	General: Fixed a problem when 'subfig' package is used. (Thanks to Susanna Siebert and Andreas Stefik from CS.) 1	v0.1.1	General: Initial version 1
v.0.1.8	General: Made several changes at the request of graduate school (handing indent for multiline in TOC, appendices). Put geometry commands in the class file instead of template. Fixed multiply defined label issues. This document now contains a draft of an automatically generated signature page. 1	v0.1.2	General: Added hooks for degree name, reference section name, etc. so that code is more department independent 1
		v0.1.4	General: Fixed draft option (user can not change message) 1
		v0.1.5	General: Numerous changes to conform with Graduate School requirement. 1