

# **uothesis** — A L<sup>A</sup>T<sub>E</sub>X package for the generation of theses and dissertations that meet the requirements established by the University of Oregon Graduate School\*

Michael D. Anderson<sup>†</sup>

Released 2011/04/10

## **Contents**

### **1 Introduction**

The **uothesis** class file provides support for generating properly formatted documents that comply with the University of Oregon Graduate School style guidelines for the preparation of dissertations and theses. The use of this class does not replace the review process by the Thesis Editor or guarantee the document will pass that review perfectly. Its intention is to simplify the formatting of the document and limit the type of possible corrections to minor fine tuning. This document summarizes the features of the class and provides an example header for the generation of a basic document. This document is NOT intended as a substitute for the University of Oregon Graduate School manual and will not be repeating the specifics of document formatting, as the user is expected to have downloaded, read and understood that manual<sup>1</sup>.

#### **1.1 New To This Version (2.5)**

There have been a number of changes to this version to deal with a couple of persistent bugs in the code and to make the CV a little easier to write. The changes to the CV are indicated below in the appropriate section<sup>2</sup>Second, the package **natbib** is now required by the cls. Users should add the **\usepackage** command from their header files as shown in the example header later in this document. Customization of the citation formatting can be accomplished through the use of a list of options as described in the **natbib** documentation. The last change is the requiring of the command **\formatbib** to the header file above the bibliography section as demonstrated in the example header later in this document.

---

\*This file describes version v2.5.1, last revised 2011/04/10.

<sup>†</sup>E-mail: mander13@uore...

<sup>1</sup>Thesis and Dissertation Style and Policy Manual (v. Fall 2010)

<sup>2</sup>Please note that you will have to change your current CV structure to get a clean compile at this point

## 1.2 New To This Version (2.5.1)

The package `natbib` is still required by the `cls`, but now it is loaded directly, no user input is required to load `\natbib` by itself. Customization of the citation formatting can now be accomplished through the use of the options, as described in the `natbib` documentation, included in the options for the class itself. This change is reflected in the example header in this document. Last, the problem requiring the `\formatbib` command has been corrected and now is not needed. Calling the `\formatbib` command will now produce an error.

## 2 Installation

The package is supplied in `dtx` format, running `tex uothesis.dtx` will extract the package whereas `latex uothesis.dtx` will extract it and also typeset the documentation.

Typesetting the documentation requires a number of packages in addition to those needed to use the package. This is mainly because of the number of demonstration items included in the text. To compile the documentation without error, you will need the packages:

- `array`
- `hypdoc`
- `lmodern`
- `booktabs`
- `listings`
- `microtype`

## 3 Requirements

The `uothesis` class itself minimally requires the following packages:

- `float`
- `setspace`
- `todonotes`
- `subfig`
- `natbib`
- `ragged2e`
- `xcolor`
- `lineno`
- `graphicx`
- `layouts`
- `draftwatermark`

Additional features and functionality may require the following packages:

- `mhchem` (for chemistry)
- `amssymb` (for `amstex`)
- `amsmath` (for `amstex`)
- `amsthm` (for `amstex`)
- `lipsum` (for `lipsum`)

These are normally present in the current major  $\text{\TeX}$  distributions, but are also available from [The Comprehensive TeX Archive Network](#). Note that these packages themselves may have secondary dependencies not expressly listed here. When in doubt read their documentation.

## 4 The Class File

`uothesis` is an extended version of the `report` L<sup>A</sup>T<sub>E</sub>X primitive class. It has been heavily extended to comply with the University of Oregon Graduate School requirements for the formatting of dissertations and theses. While every effort has been made to assure that the class generates a document that fully complies with the Graduate School's requirements, every document will be different and use different packages that may cause formatting issues. Therefore, the use of this package *does not* replace extensive proof reading or the meetings with the thesis editor.

## 5 Class Options

Class options for `uothesis` should be declared in the usual manner within square brackets during the class declaration in the header:

```
\documentclass[option1,option2,option3]{uothesis}
```

Note that class options should be coma separated.

### 5.1 General class options

<code>dissertation</code>	Formats the document for a Ph.D. dissertation.
<code>msthesis</code>	Formats the document for a Master's thesis (still experimental... Graduate School has not approved for theses.)
<code>draftimages</code>	Graphics included using <code>\includegraphics</code> are suppressed to just their bounding boxes and file names. This option is useful for quick compiles where only the layout of the pages and text are a concern. This option is suppressed by the option <code>final</code> .
<code>draftcopy</code>	Creates a draft copy of the document. Dates the document on each page, does not include the preliminary pages, TOC, TOF, or TOT. A page of notes and omissions is created after the cover page for use with the editorial macros below. This option also uses the <code>bound</code> option, which shifts the text block slightly to one side for three hole punching. Line numbering is also invoked for this draft mode and the text is shrunk down by one size to reduce paper if the draft is printed.
<code>committeedraft</code>	Like <code>draftcopy</code> except includes front matter and standard title page. Does not include the texts of the acknowledgement or dedication. For distribution to committee members.
<code>latedraft</code>	Useful for last-minute preparations, corrections, and editing before handing the document to the graduate school. For all purposes, <code>latedraft</code> is identical to <code>final</code> , with the exception that the dedication and the acknowledgements are suppressed and the inclusion of a disclaimer to clearly mark this as a draft copy.
<code>final</code>	The final draft for presentation to the graduate school.

### 5.2 Formatting class options

<code>justified</code>	This option turns off the ragged right setting for the large text blocks of the document and returns the text block formatting to the L <sup>A</sup> T <sub>E</sub> X default, which is full justification. The UOGS does not generally approve of full justification, but they will accept it in this case since L <sup>A</sup> T <sub>E</sub> X does it properly.
<code>copyright</code>	Includes the copyright page.

<code>numsections</code>	Provides the option of numbered sections.
<code>gsmodern</code>	An alternate formatting scheme to <code>numsections</code> that still provides the section numbering. This has been designed to be closer to technical manuscripts with the numbering hierarchy spanning from the Chapter to the subsubsection level.
<code>contnumbering</code>	This changes the figure and table numbering to be continuous throughout the document from start to finish.
<code>amstex</code>	Loads <code>amsmath</code> , <code>amsthm</code> , and <code>amssymb</code> packages in proper order.
<code>chemistry</code>	Loads the <code>amstex</code> class option, <code>mhchem</code> , and <code>chemstyle</code> packages. Defines new environments for long and short reactions ( <code>chem</code> and <code>Chem</code> ) and a new cross reference type for reactions ( <code>rxn:</code> ) for use with <code>\eqref{}</code> . The <code>rxn:</code> prefix is paired with a new counter to keep track of the reaction environments. This counter is reset by chapter by default.
<code>smallcaps</code>	Allows small caps in titles and TOC. This option should only be used if there is a need to differentiate between capital and lower case letters in the title, such as with atomic symbols.
<code>bound</code>	The <code>bound</code> option is provided strictly for personal use. It reformats the margins and text block parameters to allow for printing and binding of finished documents. A disclaimer is placed at the bottom of the copyright page, and the copyright notation on this page is suppressed.

## 6 Manuscript macros

### 6.1 General macros

`\cleanbreak` Forces a clean linebreak in the TOC, TOT, and TOF. This macro is provided to correct issues with over-run in the TOC, etc. It is used so:

```
\chapter[This is the use of the \linebreak...]{This is the use of
the...}
```

The line would break at the point indicated. This macro does not always work depending on how badly other typesetting rules are violated and should only be used in the square bracketed "short title" area. Note that to conform to the University of Oregon Graduate School style manual the title in the square and curly brackets should be identical. A second caveat to this command is that it is especially unstable with the use of ragged right text blocks. The method that is used for the fully justified text block ( $\text{\LaTeX}$  default) is incompatible with the `Ragged2e` package, and so a second method, `\newline`, is used. This method gives  $\text{\LaTeX}$  the option of allowing a page break in the middle of the TOC entry.

`\ie` The following commands to provide macro's for common latin phrases. These  
`\etc` commands assume that it is desired for these phrases to be italicized and provide  
`\etal` proper punctuation after the latin phrase. The code is taken from the `Chemstyle`  
`\eg` package.

### 6.2 Editing macros (`draftcopy`, `committeedraft`)

`\ednote` `\ednote{}` is a variation on standard margin notes. A numbered margin note will be placed in the margin with a place holder in the text body at the location in the text. A line will connect the place holder with the margin note and the text in the "{}" will appear on the notes page in the draft copy of the document. The macro is used so:

This is some text that needs a callout\ednote{this is a call out}.

`\needref` `\needref{}` places a diamond in the text body at the command location, and a red margin note at the same line with an arrow and a "citation." The "{}" can be left blank, but must be included at the moment. Text in the braces will also appear on the notes page in the draft copy.

`\here` `\here` places a square in the text body and a red "here" in the margin. It is intended to mark incomplete sections and will place an "incomplete section" note in the draft copy notes page.

### 6.3 Chemistry macros (`chemistry`)

These commands use a combination of `mhchem` and `amsmath` calls to create two new environments, `chem` and `Chem`. These reactions can be cross referenced using the `rxn` prefix in `\eqref{}`.

`\eqref{rxn:somernxn}`

`\chem` `\chem` is for short equations (no more than 1 column width) and uses `mhchem` and standard AMS `equation` environments. It is used so:

`\chem[rxn:firstrxn]{MT2X4}`

`\Chem` The second environment is `\Chem`, which is for long reactions. This environment uses `amsmath` `multiline` environments which allow the use of `\\` to indicate where the equation should be broken. In this reaction, the line will be broken following the reaction arrow (`->` in the code).

```
\Chem[rxn:secondrxn]{[(\cmath{(2+\delta)}Se \cdot \ce{Cr}
\cdot \ce{Cu} \cdot \ce{Cr} \cdot \ce{\cmath{(2+\delta)}Se})] ->
[SI{600}{\celsius}][\text{amorphous melt}]\ CuCr2Se4
\cmath{(\text{Fd3m, } \angle 111\angle_{SL} )} + Se ^ }
```

## 7 Manuscript organization

It is suggested that you use some scheme for breaking up your document both for ease of editing and for debugging purposes. The method that has been suggested in the past is to break up the manuscript into a header or root file and a series of dependent tex files that contain one chapter each contained in a directory folder. These dependent tex files can then be included or excluded by using `\include{}` commands. `uothesis` is set up to support this method of working. The inclusion of the `"\% !TEX root =\langle path to root file \rangle"` command will aid in this. The manuscript header example provided demonstrates one possible scheme for splitting of documents. The different components of the header and will be provided in the next section.

### 7.1 Manuscript header example

```
\documentclass[dissertation,justified,copyright,draftimages,final,numbers,sort&compress
gsmmodern]{uothesis}
```

```
\usepackage[english,UKenglish]{babel}
\input{custom_cmds.tex}
```

## THESIS FRONT MATTER

### TITLES.

\covertitle{Document Title As it will appear on\\ the cover page}  
\abstracttitle{Document Title: As it will appear on the abstract page}

### AUTHOR

\author{Your Name Here}

### DEPARTMENT

\narrowdepartment{Short Dept. Name}  
\department{Full name of department}

### DEGREE INFORMATION

\degreetype{Doctor of Philosophy}  
\degreemonth{Month}  
\degreeyear{XXXX}

### COMMITTEE INFORMATION

\advisor{Advisor's name}  
\chair{Chair's name}  
\committee{Member 1 & Inside\\  
Member 2 & Inside\\  
Member 3 & Outside\\  
Member 4 & Honorary\\}  
\graddean{Richard Linton}

### CURRICULUM VITAE

\include{thesis\_cv}

### ACKNOWLEDGEMENTS

\include{thesis\_acknowledgements}

### DEDICATION (optional)

\include{thesis\_dedication}

### ABSTRACT

\include{thesis\_abstract}

### Main Document

\begin{document}  
\maketitle

### CHAPTERS

\include{introduction}  
\include{chapter\_2}

### APPENDICES

\appendix  
\include{tappendix\_1}

### REFERENCES

\bibliographystyle{unsrnat}

```
\bibliography{bib}
\end{document}
```

Note that the various components of the document are kept separate with `\include` commands. The exception is the `\input` command used for the `custom_cmds.tex`. The difference comes from the fact that `\input` is treated as part of the header file itself and is processed in line with the rest of the code. The `\import` command takes the output of the target file and adds that, resulting in pages breaks after each `\include`. This is handy, as the style manual requires that each chapter starts on a new page.

## 8 Manuscript meta-data

Please note that in all cases the below macro's are *macro's* and not *environments*. As an example, most L<sup>A</sup>T<sub>E</sub>X classes have a `\begin{abstract}... \end{abstract}` environment that is used to handle the abstract text. This is not the case with this class, the method used for handling the front-matter requires that these elements be passed to L<sup>A</sup>T<sub>E</sub>X as strings in the macro's: `\abstract{...}`.

### 8.1 Main information

<code>\covertitle</code>	<code>\covertitle{}</code> is the title that will appear on the title page of the document. It requires hard coding of the line breaks, using <code>"\"</code> , to comply with the inverted pyramid style of the graduate school <sup>3</sup> .
<code>\abstracttitle</code>	<code>\abstracttitle{}</code> is the title form for anywhere the title appears as in line text. Do NOT use line breaks in the abstract title.
<code>\author</code>	The full name of the author as it appears on the UO records.
<code>\narrowdepartment</code>	Some departments have an officially designated "short" name. If you are in one of these departments, this should go here and will be used in the appropriate locations in the document.
<code>\department</code>	This is the official name of the students department.
<code>\degreetype</code>	Take the abbreviation of the degree that the document is for and expand it to its full name, e.g. Doctor of Philosophy, Master of Arts, Science, etc.
<code>\degreemonth</code>	Month of graduation, either December, March, June, or August.
<code>\degreeyear</code>	The year that the dissertation or thesis will be defended.
<code>\advisor</code>	Full name of the research advisor
<code>\chair</code>	Full name of the committee chair
<code>\cochair</code>	Full name of the committee cochair, if applicable.
<code>\committee</code>	A list of the examining committee following the form: <code>"\full name\&amp;\member type\"</code> (see example below). This list can be of arbitrary length and is formatted using a table.
	<pre>\committee{Dr. Person 1 &amp; Member\\             Dr. Person 2 &amp; Member\\             Dr. Person 3 &amp; Outside Member\\             Dr. Person 4 &amp; Honorary Member\\}</pre>
<code>\graddean</code>	The full name of the current dean of the University of Oregon Graduate School.

---

<sup>3</sup>Thesis and Dissertation Style and Policy Manual (v. Fall 2010), Pg. 22

## 8.2 Chapter-like meta-data

Chapter-like meta-data are large blocks of text. These can be placed in the header file or they can be replaced with `\include{}` arguments and kept elsewhere to keep the header compact. The example header uses the latter option.

<code>\abstract</code>	Fully formatted abstract, as you turned in to the University of Oregon Graduate School. There are size restrictions placed on this document, 350 words and 150 words for the dissertation and the thesis respectively <sup>4</sup>
<code>\acknowledge</code>	Optional, the style guide <sup>5</sup> indicates that this should be no more than 2 pages.
<code>\dedication</code>	Optional, small text block.

## 8.3 The Curriculum Vitae

<code>\birthplace</code>	The birth place of the author
<code>\birthday</code>	author's birthday
<code>\school</code>	List of the schools attended by the author, with their city and state of location. Each school is on its own <code>\school{}</code> entry: <pre> \school{University of Somewhere, City, State} \school{University of Somewhere Else, City, State} \school{A State School, City, State} </pre>
<code>\degree</code>	List of the education of the author. Each degree has its own <code>\degree{}</code> entry. Each entry should be formatted so: <code>\degree{full degree name in field, year, school name}</code> . An example is below: <pre> \degree{Doctor of Philosophy in submersible basketry, 2010,         University of Somewhere} \degree{Master of Something in something important, 2005,         University of Somewhere Else} \degree{Bachelor of Something in something completely different, 2002,         A State School.} </pre>
<code>\interests</code>	A comma delimited list of interests.
<code>\position</code>	Work history related to the authors research, as with <code>\school{}</code> and <code>\degree{}</code> , one entry per macro call.
<code>\award</code>	Awards and honors, one per call to the macro as with <code>\school{}</code> , <code>\degree{}</code> , and <code>\position{}</code> .
<code>\publication</code>	This section should be formatted the same way as <code>\schools{}</code> , etc. The actual entries must be formatted <i>exactly</i> the same as the References Cited section of the document. The easiest way to do this is to take a bibtex file with the authors publications, and create a .bib file for that using the same bibtex style and then copy and pasting it into this section each <code>\bibitem{}</code> being placed inside a <code>\publication{}</code> macro call <sup>6</sup> . Bibdesk will do this by using one of the optional copy formats under file as should JabRef.

<sup>4</sup>Thesis and Dissertation Style and Policy Manual (v. Fall 2010), Pg. 24

<sup>5</sup>Thesis and Dissertation Style and Policy Manual (v. Fall 2010), Pg. 25

<sup>6</sup>Yes, this is a little redundant, but it was done this way to avoid any potential conflicts with BibTeX

## 9 Trouble Shooting and FAQ's

First, every attempt has been made to make this package as general and stable as is possible. That said, bugs happen so please report them. *Before* reporting them however, there are somethings that you can do to trouble shoot. It is suggested that you try to answer each of these questions yourself before you contact the maintainer:

- What does your compile log say? Are there any errors?
- Are there any errors in your BibTeXcompile log?
- Can you replicate the problem with a minimal example, i.e. A basic code chunk in a chapter with your header?
- Can you typeset just the front-matter (abstract, cv, etc.)?
- Do you have any extra packages installed?
- Have you checked to see if your problem is caused by a specific package or combination of packages?
- Are you calling any packages that are already called by the class (section 3 of this document)?

## 10 Implementation

### 10.1 Preamble

First comes the preliminary declarations, the L<sup>A</sup>T<sub>E</sub>X version that is needed, what the class file provides, etc.

```
1 \*class
2 \ProvidesClass{uthesis} [2010/04/10 v2.5.1 Submission to
3 University of Oregon Graduate School]
```

Next, we print out some identifying text in the output window.

```
4 \typeout{UO Thesis Class}
5 \typeout{}
6 \typeout{Based on the UO Thesis macros by Bart Massey, et al.}
7 \typeout{Currently maintained by Michael D. Anderson}
8 \typeout{Accepted by the University of Oregon Graduate School}
9 \typeout{for general use with Masters Thesis <date goes here>}
10 \typeout{Accepted by the University of Oregon Graduate School}
11 \typeout{for general use with PhD Dissertations <date goes here>}
12 \typeout{}
```

And then list the files being called by the .tex file.

```
13 \listfiles
```

Here we declare the draft option flags and conditionals for the code.

```
14 \newif\ifthesis
15 \newif\ifdraftcopy
16 \newif\ifcommitteedraft
17 \newif\iflatedraft
18 \newif\ifdraftimage
19 \newif\ifdraft
20 \newif\iffinal
21 \newif\ifsc
22 \newif\iflipsum
23 \newif\ifjustified
24 \newif\ifamstex
25 \newif\ifchem
26 \newif\ifbound
27 \newif\ifnatbib
28 \newif\if@dissertation
29 \newif\if@copyright
30 \newif\if@gsmmodern
31 \newif\if@numsections
32 \newif\if@contnumb
33 \newif\if@draftimage
```

Now we declare the class options and assign the flags for each option.

```
34 \DeclareOption{dissertation}{\@dissertationtrue\thesistrue\natbibtrue}
35 \DeclareOption{msthesis}{\@dissertationfalse\thesistrue}
36 \DeclareOption{draftimages}{\draftimagetrue\PassOptionsToPackage{draft}{graphicx}}
37 \DeclareOption{draftcopy}{\drafttrue\draftcopytrue\boundtrue}
38 \DeclareOption{committeedraft}{\drafttrue\committeedrafttrue}
39 \DeclareOption{latedraft}{\drafttrue\latedrafttrue}
40 \DeclareOption{copyright}{\@copyrighttrue}
```

```

41 \DeclareOption{gsmodern}{\@gsmoderntrue}
42 \DeclareOption{numsections}{\@numsectionstrue}
43 \DeclareOption{amstex}{\amstextrue}
44 \DeclareOption{chemistry}{\chemtrue\amstextrue}
45 \DeclareOption{smallcaps}{\sctrue}
46 \DeclareOption{justified}{\justifiedtrue}
47 \DeclareOption{cheqns}{\cheqnsfalse}
48 \DeclareOption{final}{\draftcopyfalse\draftimagefalse
49 \committeedraftfalse\latedraftfalse\finaltrue}
50 \DeclareOption{lipsum}{\lipsumtrue}
51 \DeclareOption{bound}{\boundtrue}
52 \DeclareOption{natbib}{\natbibtrue}
53 \DeclareOption*{\PassOptionsToPackage{\CurrentOption}{natbib}}

```

Finally, we process the options.

```
54 \ProcessOptions
```

Now we check that a document type has been indicated in the .tex file.

```

55 \ifthesis\else
56 \typeout{warning: Neither msthesis nor dissertation specified}
57 \fi

```

If the bound option is indicated in the .tex file, we need to warn the user.

```

58 \ifbound
59 \typeout{PAGE FORMAT CHANGED FOR BINDING AND PRINTING}
60 \typeout{This format DOES NOT COMPLY with University of Oregon Guidelines}
61 \typeout{For personal use only!}
62 \fi

```

Now we pass options to the report class primitive based on the options declared in the .tex file.

```

63 \iflatedraft\PassOptionsToClass{12pt,draft}{report}\fi
64 \ifcommitteedraft\PassOptionsToClass{12pt,draft}{report}\fi
65 \ifdraftcopy\PassOptionsToClass{10pt,draft}{report}
66 \PassOptionsToClass{draft}{todonotes}\fi
67 \iffinal
68 \ifbound
69 \PassOptionsToClass{12pt,twoside}{report}
70 \else
71 \PassOptionsToClass{12pt}{report}
72 \fi\fi

```

Now we load the L<sup>A</sup>T<sub>E</sub>Xreport class primitive.

```
73 \LoadClass{report}
```

## 10.2 Required Packages

Call the required packages for uothesis.

```

74 \RequirePackage{float}
75 \RequirePackage{subfig}
76 \RequirePackage[dvipsnames]{xcolor}
77 \RequirePackage{graphicx}
78 \RequirePackage{setspace}
79 \RequirePackage{xspace}

```

```

80 \RequirePackage[left,pagewise]{lineno}
81 \RequirePackage{layouts}
82 \RequirePackage[colorinlistoftodos]{todonotes}
83 \RequirePackage{ragged2e}
84 \captionsetup{labelsep=space}
85 \setlength\RaggedRightRightskip{0pt plus 1cm}
86 \setlength\RaggedRightParindent{0.4in}

```

## 10.3 Document-wide Macros and Options

package options conditionals (document wide)

```

chem Here we define the result of calling the chemistry option. We call chemstyle and
mhchem.
87 \ifchem
88 \RequirePackage[version=3]{mhchem}
89 \fi

amstex call amstex packages if option enabled
90 \ifamstex
91 \RequirePackage{amsmath,amsthm,amssymb}
92 \fi

lipsum call lipsum package if option enabled
93 \iflipsum
94 \RequirePackage{lipsum}
95 \fi

natbib call natbib package if enabled, which is the default setting
96 \ifnatbib
97 \RequirePackage{natbib}
98 \fi

```

### 10.3.1 Draft Only Macros and Options

```

draftwatermark create draft watermark
99 \ifdraft
100 \RequirePackage{draftwatermark}
101 \newcommand{\watermark}[5]{\SetWatermarkAngle{#1}
102 \SetWatermarkLightness{#2}
103 \SetWatermarkFontSize{#3}
104 \SetWatermarkScale{#4}
105 \SetWatermarkText{\uppercase{#5}}}}
106 \ifdraftcopy\watermark{45}{0.95}{5cm}{2.5}{Draft}\fi
107 \ifcommitteedraft\watermark{45}{0.95}{5cm}{2.25}{Committee Draft}\fi
108 \iflatedraft\watermark{45}{0.95}{5cm}{2.5}{Review Proof}\fi
109 \fi

```

Here we create the editing markup commands. These are based off of the `\todo` command.

```

110 \ifdraftcopy

```

`\ednote` Create `\ednote` command.

```
111 \newcounter{ednote}
112 \@addtoreset{ednote}{chapter}
113 \newcommand{\ednote}[1]{\stepcounter{ednote}\todo[color=blue!40,size=\scriptsize,
114 caption={NOTE \arabic{chapter}.\arabic{ednote}: #1},noprepending]{%
115 {\bf\hfil N.\arabic{chapter}.\arabic{ednote}\hfil}%
116 {\textbf{\textcolor{blue}{[N.\arabic{chapter}.\arabic{ednote}]}}}}
```

`\here` Create `\here` command.

```
117 \newcommand{\here}{\textcolor{BrickRed}{\textbf{\blacksquare}}\todo[inline,color=red!40,
118 size=\small,caption={\uppercase{Incomplete Section: Section \arabic{chapter}.
119 \arabic{section}}}{\hfil\textbf{\uppercase{Incomplete Section}}\hfil}}
```

`\needref` create `\needref` command.

```
120 \newcounter{citation}
121 \@addtoreset{citation}{chapter}
122 \newcommand{\needref}[1]{\stepcounter{citation}\todo[color=green!40,
123 size=\scriptsize,caption={CITE \arabic{chapter}.\arabic{citation}: #1}]
124 {\bf\hfil N.\arabic{chapter}.\arabic{citation}\hfil}
125 {\textbf{\textcolor{ForestGreen}{[C.\arabic{chapter}.\arabic{citation}]}}}}
```

If the draft mode is not enabled we need to remove commands so that they don't cause errors. This is done by setting them to be empty if `\ifdraft` comes back as false.

```
126 \else
127 \newcommand{\ednote}[1]{}
128 \newcommand{\here}{}
129 \newcommand{\needref}{}
130 \fi
```

## 10.4 General Macros and Environments

`\cleanbreak` A new command for clean line breaks in TOC, TOF, TOT. The version of the command paired with the `RaggedRight` option doesn't work particularly well. It is intended more for using the L<sup>A</sup>T<sub>E</sub>X default of having a full justification in the text block.

```
131 \newcommand{\cleanbreak}{
132 \ifjustified
133 \\\hfil
134 \else
135 \newline
136 \fi}
```

new chemical equation environments. (modified from mhchem documentation, pg. 10-11) create reaction counter

`reaction` Modify the reaction counter to fit formatting requirements.

```
137 \ifchem
138 \newcounter{reaction}
139 \renewcommand\thereaction{Formula\ \thechapter.\arabic{reaction}}
140 \@addtoreset{reaction}{chapter}
```

```

create new reaction tag
141 \newcommand\reactiontag{\refstepcounter{reaction}\tag{\thereaction}}

\chem Create new chem environment (doesn't use line breaks)
142 \newcommand{\chem}[2][\begin{equation}\cee{#2}%
143 \ifx\@empty#1\@empty\else\label{#1}\fi\reactiontag\end{equation}}

\Chem Create new Chem environment (enables line breaks)
144 \newcommand{\Chem}[2][\begin{multline}\cee{#2}%
145 \ifx\@empty#1\@empty\else\label{#1}\fi\reactiontag\end{multline}}
146 \fi

147 \newcommand*\cst@xspace{\expandafter\xspace}
148 \newcommand*\cst@latin{\expandafter\emph}
149 \newcommand*\etc{\@ifnextchar.\cst@etc{\cst@etc.\cst@xspace}}
150 \newcommand*\invacuo{\cst@latin{in vacuo}\cst@xspace}
151 \newcommand*\etal{\@ifnextchar.\cst@etal{\cst@etal.\cst@xspace}}
152 \newcommand*\eg{\cst@eg.}
153 \newcommand*\ie{\cst@ie.}
154 \newcommand*\cst@etal{\cst@latin{et~al}}
155 \newcommand*\cst@etc{\cst@latin{etc}}
156 \newcommand*\cst@ie{\cst@latin{i.e}\spacefactor999\relax}
157 \newcommand*\cst@eg{\cst@latin{e.g}\spacefactor999\relax}

```

## 10.5 Internal Variables and Commands

```

\normalspace Define a single spacing environment.
158 \newenvironment{normalspace}{\begin{singlespacing}}{\end{singlespacing}}

\@mydouble Define special double space environment.
159 \def\@mydouble{\endsinglespace\large\normalsize\setstretch{1.7}}

\@mysinglespace Define second special single space environment.
160 \def\@mysingle{\singlespace\large\normalsize\setstretch{1.7}}

\@mysinglespace Define third special single space environment.
161 \def\@mybiblesingle{\singlespace\large\normalsize\setstretch{1}}

\@draftdate Define draftdate: YYYY/MM/DD
162 \def\@draftdate{\the\year/\two@digits{\the\month}/\two@digits{\the\day}}

\@longdraftdate Define longdraftdate: Day, Month, YYYY
163 \def\@longdraftdate{\today}

Define thesis and dissertation strings for abstract page
164 \if@dissertation
165   \ifdraftcopy
166     \gdef\@cappapertype{Dissertation Draft}
167   \else
168     \gdef\@cappapertype{Dissertation}
169   \fi
170 \else

```

```

171 \ifdraftcopy
172   \gdef\@cappapertype{Thesis Draft}
173 \else
174   \gdef\@cappapertype{Thesis}
175 \fi
176 \fi
177 \xdef\@upperpapertype{\uppercase{\@cappapertype}}
178 \xdef\@papertype{\lowercase{\@cappapertype}}

\@draftstring Define draft copy header string.

179 \ifdraftcopy
180   \def\@draftstring{{\sc Draft of} \@draftdate}}
181 \else
182   \def\@draftstring{}
183 \fi

\@disclaimer Define draft copy disclaimer for title pages.

184 \def\@disclaimer{
185 \ifcommitteedraft\textcolor{red}{\textbf{\uppercase{committee draft}}}\fi
186 \iflatedraft\textcolor{red}{\textbf{\uppercase{review proof}}}\fi
187 \ifdraftcopy\textcolor{red}{\textbf{\uppercase{editing draft}}}\fi\\
188 \vspace*{0.5in}
189 \textcolor{red}{\textbf{\uppercase{This is a draft copy for review
190 and editing purposes only!}}}}
191 \vspace*{10pt}
192 \setlength\fbboxsep{10pt}
193 \setlength\fbboxrule{2pt}
194 \framebox[1\columnwidth]{\parbox{0.95\columnwidth}{\textcolor{black}
195 {\textbf{This draft format in no way complies with the University
196 of Oregon Style Graduate School Style Guide for theses or dissertations.
197 This draft may employ 10 point fonts for paper conservation, line numbering
198 for ease of editing, or watermarking and editing notations; all of which violate
199 the Graduate School Style Guide for final documents. See the uothesis.cls
200 documentation for instructions on producing a properly formatted document.}}}}
201 Define bound disclaimer for copyright page
202 \def\@bounddisclaimer{%
203 \parbox{0.75\textwidth}{\centering
204 \begin{spacing}{0.5}
205 {\tiny This document is for the the personal use of the author and does not comply
206 with the University of Oregon Graduate School. Please contact the University
207 of Oregon Graduate School for information on how to obtain an official copy
208 of this document.}
209 \end{spacing}}\\
210 \vfill\LaTeX
211 }

```

## 10.6 User Accessible Variables and Commands

### 10.6.1 Titles

```

\covertitle Define cover title string

211 \def\covertitle#1{\gdef\@covertitle{#1}\gdef\@uppercovertitle{\begin{doublespace}
    \uppercase{#1} \end{doublespace}}}

```

`\abstracttitle` Define abstract title string  
212 `\def\abstracttitle#1{\gdef\@abstracttitle{#1}\gdef\@upperabstracttitle{\uppercase{#1}}}`

### 10.6.2 Author Strings

`\author` Define author command  
213 `\def\author#1{\gdef\@author{#1}\gdef\@upperauthor{\uppercase{#1}}}`

`\narrowauthor` Define narrow author  
214 `\def\narrowauthor#1{\gdef\@narrowauthor{#1}\gdef\@uppernarrowauthor{\uppercase{#1}}}`

### 10.6.3 School Information and Examination Committee

`\department` Define department  
215 `\def\department#1{\gdef\@department{#1}}`

`\narrowdepartment` Define narrow department  
216 `\def\narrowdepartment#1{\gdef\@narrowdepartment{#1}}`

`\advisor` Define advisor  
217 `\def\advisor#1{\gdef\@advisor{#1}}`

`\chair` Define chair  
218 `\def\chair#1{\gdef\@chair{#1}}`

`\cochair` Define cochair for disseration  
219 `\newif\if@cochair`  
220 `\if@dissertation`  
221 `\def\cochair#1{\gdef\@cochair{#1}\@cochairtrue}`  
222 `%Define the committee`  
223 `\def\committee#1{\gdef\@committee{#1}}`  
224 `\fi`

`\graddean` Define the dean  
225 `\def\graddean#1{\gdef\@graddean{#1}}`

### 10.6.4 Degree and Graduation

`\degreetype` Define degree type  
226 `\def\degreetype#1{\gdef\@degree{#1}}`

`\degreemonth` Define degree month  
227 `\def\degreemonth#1{\gdef\@degreemonth{#1}}`

`\degreeyear` Define degree year  
228 `\def\degreeyear#1{\gdef\thedegreeyear{#1}}`

### 10.6.5 Abstract, Dedication, etc...

`\abstract` Define abstract  
229 `\long\def\abstract#1{\gdef\@abstract{#1}}`

`\dedication` Define dedication  
230 `\newif\if@dedication`  
231 `\long\def\dedication#1{\gdef\@dedication{#1}\@dedicationtrue}`

`\acknowledge` Define acknowledgement  
232 `\long\def\acknowledge#1{\gdef\@acknowledge{#1}}`

### 10.6.6 Signature Page Internal Commands

`\@optional` Define the optional argument: c.f. David Solomon's "The Advanced TeXbook", ISBN: 0-387-94556-3, p. 120-150. This macro is used to expand a name iff it is defined. Note that it is invoked as `\@optional{foo}` to expand `\foo`.  
233 `\def\@optional#1{\let\what=\expandafter\csname #1`  
234 `\endcsname\ifx\what\relax\else\what\fi}`

`\sigline`, `\Sigline` Define signature line commands  
235 `\newcommand{\@sigline}[2]{Approved: \rule{#1}{.4pt}\*[-0.25\baselineskip]{#2}}`  
236 `\newcommand{\@Sigline}[1]{Approved: \hrule\vspace*{-\parskip}\vspace*{4pt}{#1}}`

### 10.6.7 CV Internal Commands

`\cvoneline` Define single line environment for CV  
237 `\def\cvoneline#1#2{ \*[-\baselineskip] {#1}: {#2}}`

`\cvmultiline` Define multiline environment for CV  
238 `\def\cvmultiline#1#2{`  
239 `\par\vspace{1.5\baselineskip}\noindent`  
240 `{#1}:\*[-\baselineskip]\nopagebreak`  
241 `\indent\parbox[b]{5in}{#2}}`

`\@cvhangindent` define CV hanging indent  
242 `\newlength{\@cvhangindent}`  
Set the hanging indent length and deal with paragraph alignments within the CV.  
243 `\setlength{\@cvhangindent}{\parindent}`  
244 `\addtolength{\@cvhangindent}{1.5em}`  
245 `\long\def\cvpars#1{\par #1}`  
246 `\long\def\cvitem#1#2{\par\vspace{1.5\baselineskip}\noindent{#1}:\nopagebreak\par #2}`

### 10.6.8 CV commands

CV Variables Define birthplace  
`\birthplace` 247 `\def\birthplace#1{\gdef\@birthplace{#1}}`

`\birthday` Define birthday  
248 `\def\birthday#1{\gdef\@birthdate{#1}}`

`\schools` Define educational history

```
249 \def\school#1{\expandafter\gdef\expandafter\@schools\expandafter{\@schools\cvpars{#1}}}
```

`\degrees` Define the degrees received.

```
250 \long\def\degree#1{\expandafter\gdef\expandafter\@degrees\expandafter{\@degrees\cvpars{#1}}}
```

`\interests` Define interests

```
251 \def\interests#1{\expandafter\gdef\expandafter\@interests\expandafter{\@interests\cvpars{#1}}}
```

`\experience` Define professional experience.

```
252 \def\position#1{\expandafter\gdef\expandafter\@experience\expandafter{\@experience\cvpars{#1}}}
```

`\awards` Define awards. (optional)

```
253 \def\award#1{\expandafter\gdef\expandafter\@awards\expandafter{\@awards\cvpars{#1}}}
```

`\publications` Define publications. (optional)

```
254 \def\publication#1{\expandafter\gdef\expandafter\@publications\expandafter{\@publications\cvpars{#1}}}
```

## 10.7 Preliminary page formatting, layout, and settings

Set the text spacing to a little under double spacing.

```
255 \setstretch{1.7}
```

Set a standard header size

```
256 \newcommand{\@normalheaderdims}{
```

```
257 \textheight 620pt
```

```
258 \headheight 14pt
```

```
259 \headsep 14pt}
```

Set standard page margins

```
260 \ifbound
```

```
261 \oddsidemargin 0.6in
```

```
262 \evensidemargin 0.6in
```

```
263 \textwidth 5.8in
```

```
264 \footskip 0.5in
```

```
265 \footnotesep 15pt
```

```
266 \parindent 24pt
```

```
267 \topmargin 0in
```

```
268 \else
```

```
269 \oddsidemargin 0.25in
```

```
270 \evensidemargin 0.25in
```

```
271 \textwidth 6in
```

```
272 \footskip 0.5in
```

```
273 \footnotesep 15pt
```

```
274 \parindent 24pt
```

```
275 \topmargin 0in
```

```
276 \fi
```

```
277 \@normalheaderdims
```

Set vertical space net (relative to the top of the page).

```
278 \def\@fromtopskip#1{
```

```
279 \@tempdima=#1
```

```
280 \advance\@tempdima by-1in
```

```

281 \advance\@tempdima by-\topmargin
282 \advance\@tempdima by-\headheight
283 \advance\@tempdima by-\headsep
284 \advance\@tempdima by-\baselineskip
285 \advance\@tempdima by12pt
286 \hbox to0pt{}\nointerlineskip\vskip\@tempdima}
287
Setting section numbering for numbered and unnumbered sections. Include sections
in the TOC
288 \setcounter{tocdepth}{1}
Declare a new counter for section numbers
289 \newcounter{@shownumdepth}
Show section numbers with gsmodern.
290 \if@gsmodern
291 \setcounter{@shownumdepth}{2}
292 \else
Show section numbers with numsection
293 \if@numsections
294 \setcounter{@shownumdepth}{2}
295 \else
Suppress section numbers in TOC and section headings
296 \setcounter{@shownumdepth}{0}
297 \setcounter{secnumdepth}{1}
298 \fi
299 \fi
Write the appendix count in the main aux file
300 \def\@emit#1{\if@files\write\@mainaux{#1}\fi}
Increase the hyphenation penalty to prevent hyphenation.
301 \hyphenpenalty=500000
Increase tolerance of wider word spacing in lines.
302 \tolerance=5000
Increase the widow penalties.
303 \widowpenalty=10000
Increase the orphan penalties
304 \clubpenalty=10000
Allow ragged bottom pages
305 \raggedbottom

```

## 10.8 The Title Page Layout

```

\@maketitlepage Define the title page
306 \def\@maketitlepage{
create a new page
307 \newpage
make the page empty
308 \thispagestyle{empty}

```

```

    if draft mode start numbers here
309 \ifdraftcopy\linenumbers\fi
    begin center justification
310 \begin{center}
    position title start 0.25 in from top of text block
311 \vspace*{0.25in}
    set line spacing to double spacing for title
312 \doublespacing
    call uppercovertitle
313 \@uppercovertitle
    set line spacing to single spacing
314 \singlespacing
    fill to by line
315 \vfill
    set by line and start new line
316 by \[*[\baselineskip]
    call upper case author string
317 \@upperauthor\
    fill to gs declaration
318 \vfil
    if draft mode set disclaimer
319 \ifdraft\@disclaimer\\\fi\vfill
    declaration to the graduate school.
320 A \@upperpapertype \[*[\baselineskip]
321   Presented to the \@narrowdepartment \[*
322   and the Graduate School of the
323 University of Oregon \[*
324   in partial fulfillment of the requirements \[*
325   for the degree of \[*
    call degree
326 \@degree \[*[\baselineskip]
    call degree month
327 \@degreemonth ~\thedegreeyear\
    close center justification
328 \end{center}}

```

## 10.9 The Approval Page

Define the approval signature page

\@makeapprovepage

```

329 \def\@makeapprovepage{
    create clear page
330 \clearpage
331 \thispagestyle{plain}

```

place the heading.

332 \@startchapter{\@upperpapertype\ APPROVAL PAGE}

begin single spacing

333 \begin{spacing}{1}

3 ex of vertical space

334 \vspace\*{3ex}

suppress indenting in the page

335 \noindent

call author string.

336 Student: \@author\\*\[\baselineskip]

call the document title.

337 Title: \@abstracttitle\\*\[\baselineskip]

place the GS mandated text

338 This \@papertype\ has been accepted and approved

339 in partial fulfillment of the requirements for the

340 \@degree\ degree in the \@narrowdepartment\ by:\\*\[\baselineskip]

create a table with the names of the examining committee

341 \begin{tabular}[t]{p{2.25in} p{3.25in}}

call chair string then label

342 \@chair & Chair\\

call cochair string then label if it exists

343 \if@cochair

344 \@cochair& Co-chair\\

345 \fi

call advisor

346 \@advisor & Advisor\\

call committee string

347 \@committee\\

348 and & \\ \\

349 \@graddean & Vice President for Research

350 and Graduate Studies/ Dean of the Graduate School

end tabular environment

351 \end{tabular}\\*\[\baselineskip]

remainder of the text required by GS

352 Original approval signatures are on file with the

353 University of Oregon Graduate School.\\*\[\baselineskip]

degree date

354 Degree awarded \@degreemonth ~\thedegreeyear

end single spacing

355 \end{spacing}}

## 10.10 The Copyright Page

`\@makecopyrightpage` Define the copyright page.

```
356 \def\@makecopyrightpage{
  begin copyright conditional
357 \if@copyright
  create clear page
358 \clearpage
359 \thispagestyle{plain}
  4 in vertical space
360 \@fromtopskip{5in}
  create a centered line with copyright symbol followed by degree year and author
  string
361 \ifbound\else\centerline{\copyright ~\thedegreeyear ~\@author}\fi
  vertical fill to bottom of the page if draft mode set disclaimer
362 \ifbound\centering\@bounddisclaimer\\\else\vfill\fi\vfil
  end copyright conditional
363 \fi}
```

## 10.11 The Abstract Page

`\@makeabstractpage` Define the abstract page.

```
364 \def\@makeabstractpage{
  create clear page
365 \clearpage
366 \pagestyle{plain}
  place the heading.
367 \@startchapter{\@upperpapertype\ ABSTRACT}
  begin single spacing
368 \begin{spacing}{1}
  3 ex of vertical space
369 \vspace*{3ex}
  suppress indenting in the page
370 \noindent
  call author string.
371 \@author\\*[\baselineskip]
  call the degree type.
372 \@degree\\*[\baselineskip]
  call the department name
373 \@department\\*[\baselineskip]
  the date
374 \@degree month ~\thedegreeyear\\*[\baselineskip]}
```

```

call the document title.
375 Title: \@abstracttitle\\*[\baselineskip]
376 \parbox[t]{5in}{\raggedright
begin co-chair conditional
377 \if@cochair
signature lines for advisor
378 \@sigline{3.5in}{\hspace*{1.5in}\@advisor, Co-chair}\\*[\baselineskip]
signature lines for cochair.
379 \@sigline{3.5in}{\hspace*{1.5in}\@cochair, Co-chair}
if no co-chair
380 \else
signature line for advisor.
381 \@sigline{3.5in}{\hspace*{1.5in}\@advisor}
end co-chair conditional
382 \fi}\\*[\baselineskip]
383 \end{spacing}
set text block to full justification if option is called
384 \ifjustified\else\RaggedRight\fi
385 \@abstract}

```

## 10.12 The Acknowledgments Page

```

\@makeackpage Define the acknowledgements page
386 \def\@makeackpage{
create clear page
387 \clearpage
388 \thispagestyle{plain}
set the header.
389 \@startchapter{ACKNOWLEDGEMENTS}
vertical space
390 \vspace*{\baselineskip}
391 \par
begin draft conditional statement
392 \ifcommitteedraft
print disclaimer
393 \begin{center}\@disclaimer\end{center}
else
394 \else
place acknowledgments set text block to full justification if option is called
395 \ifjustified\else\RaggedRight\fi
396 \@acknowledge
begin late draft conditional statement
397 \iflatedraft

```

```

vertical fill
398 \vfill
begin center justification
399 \begin{center}
mark as review proof
400 \textcolor{red}{\textbf{\uppercase{review proof}}}\
end centering
401 \end{center}
end late draft conditional
402 \fi
end draft conditional
403 \fi}

```

### 10.13 The Dedication Page

```

\@makededpage Define the dedication page
404 \def\@makededpage{
begin dedication conditional
405 \if@dedication
create clear page
406 \clearpage
407 \thispagestyle{plain}
set page to width of dedication
408 \settowidth{\@tempdima}{\@dedication}
begin short dedication conditional
409 \ifcommitteedraft
exclude from the committee draft.
410 \setlength{\@tempdima}{0pt}
end short dedication conditional
411 \fi
begin long dedication conditional
412 \ifdim\@tempdima<\textwidth
4 in vertical space from top of page
413 \@fromtopskip{4in}
set dedication header
414 \@chapterline{}
if dedication longer than 1 line of text
415 \else
3 in vertical space from top of page
416 \@fromtopskip{3in}
set dedication header
417 \@startchapter{}

```

```

    end long dedication conditional
418 \fi
    vertical space
419 \vspace*{\baselineskip}
    end of paragraph
420 \par
    begin draft conditional
421 \ifcommitteedraft
    print disclaimer
422 \begin{center}\@disclaimer\end{center}
    else
423 \else
    begin center justification
424 \begin{center}
    place the dedication...
425 \@dedication
    end center justification
426 \end{center}
    vertical fill to center on page
427 \vfill
    begin late draft conditional
428 \iflatedraft
    begin center justification
429 \begin{center}
    set review proof notification
430 \textcolor{red}{\textbf{\uppercase{review proof}}}\
    end center justification
431 \end{center}
    end late draft conditional
432 \fi
    end draft conditional
433 \fi
    end dedication conditional
434 \fi}

```

## 10.14 The Curriculum Vitae

```

\@makevita Define the CV
435 \def\@makevita{
    create clear page
436 \clearpage
437 \thispagestyle{plain}

```

place the heading.

```

438 \@startchapter{CURRICULUM VITAE}
begin single spacing
439 \begin{singlespacing}
3 ex of vertical space
440 \vspace*{3ex}
call author string.
441 \noindent NAME OF AUTHOR:\quad \@author \vskip\baselineskip
call birthplace string.
442 \noindent PLACE OF BIRTH:\quad \@birthplace \vskip\baselineskip
call birthday string.
443 \noindent DATE OF BIRTH:\quad \@birthdate \vskip\baselineskip
444 \everypar={\hangindent=\@cvhangindent}
call the educational history string.
445 \noindent GRADUATE AND UNDERGRADUATE SCHOOLS ATTENDED:
446 \@schools
447 \vskip \baselineskip
call the degrees string.
448 \noindent DEGREES AWARDED:
449 \@degrees
450 \vskip \baselineskip
call the interests string.
451 \noindent AREAS OF SPECIAL INTEREST:
452 \@interests
change the paragraph spacing.
453 \everypar={\parskip=0.75\baselineskip
454 \hangindent=\@cvhangindent
455 \interlinepenalty=\@M}
call the experience string.
456 \cvitem{PROFESSIONAL EXPERIENCE}{\@experience}
call the awards string.
457 \cvitem{GRANTS, AWARDS AND HONORS}{\@awards}
call the publications string.
458 \cvitem{PUBLICATIONS}{\@publications}
end the alternate paragraph spacing.
459 \par
end single spacing
460 \end{singlespacing}}

```

## 10.15 Full Draft Front Matter

`\@maketitlepages` Here we call the previously defined pages in their proper order.

```
461 \def\@maketitlepages{
    set the page numbering to roman
462 \pagenumbering{roman}
    call the pages
463 \@maketitlepage
464 \@makeapprovepage
465 \@makecopyrightpage
466 \@makeabstractpage
467 \@makevita
468 \@makeackpage
469 \@makededpage
    begin single spacing before TOC, etc...
470 \begin{singlespacing}
    adjust the formatting for the TOC's
471 \clearpage
    set the page style for non-"toheadings" style TOC, LOF, LOT figures.
472 \pagestyle{tocextraheadings}
473 \@tableofcontents
474 \IfFileExists{\jobname.\ext@figure}{\@listoffigures}{\@starttoc{\ext@figure}}
475 \IfFileExists{\jobname.\ext@table}{\@listoftables}{\@starttoc{\ext@table}}
    create clear page
476 \clearpage
    reset to normal header dimensions
477 \@normalheaderdims
    create clear page
478 \clearpage
    end single spacing
479 \end{singlespacing}}
```

## 10.16 Working Draft Front Matter

`\@makedraftcover` Here we call the previously defined pages with the exception of using the draft cover instead of the Full cover and the omission of the table of contents.

```
480 \def\@makedraftcover{
    page break
481 \clearpage
    blank page
482 \thispagestyle{empty}
    start line numbers for drafts
483 \linenumbers
    begin center justification
484 \begin{center}}
```

02.5 in vertical space

```

485 \vspace*{0.25in}
    call document string in large font
486 {\large \@upperpapertype}\\
    begin single spacing
487 \begin{singlespacing}
    call the cover title
488 {\large \@covertitle}\\
    vertical space
489 \vspace*{\baselineskip}
    state the draft date.
490 Draft of \@longdraftdate\\
    call the author string.
491 \@author
    end single spacing
492 \end{singlespacing}
    end center justification
493 \end{center}
    small font
494 {\small
    begin single spacing
495 \begin{singlespacing}
    place the abstract header
496 \begin{center}ABSTRACT\end{center}
    call the abstract string.
497 \par\@abstract
    vertical fill
498 \vfill
    begin center justification
499 \begin{center}
    suppress indenting
500 \noindent
    call disclaimer
501 \@disclaimer\\
    end center justification
502 \end{center}
    end single spacing
503 \end{singlespacing}}
    clear page
504 \clearpage}

```

## 10.17 Typeset the appropriate frontmatter

```
505 \def\maketitle{
506 \ifdraftcopy
507 \iflatedraft
508 \@maketitlepages
509 \else
510 \ifcommitteedraft
511 \@maketitlepages
512 \else
513 \@makedraftcover
514 \pagenumbering{roman}
515 \listoftodos\clearpage
516 \fi
517 \fi
518 \else
519 \@maketitlepages
520 \fi
521 \pagestyle{plain}
522 \ifjustified\else\RaggedRight\fi
523 \pagenumbering{arabic}
524 \setcounter{page}{1}}
```

## 10.18 General Heading Formatting

page headings

```
525 \def\@footlines#1{\hbox to\textwidth{#1}}
526 \def\@footer{\ifbound
527 \hfill\rm\thepage
528 \else
529 \hfil\rm\thepage\hfil\fi}
```

define the toc chapter and page labels for first page

```
530 \def\ps@tocheadings{
531 \def\@oddfoot{\@footlines{\@footer}}
532 \def\@oddhead{}
533 \let\@evenfoot\@oddfoot
534 \let\@evenhead\@oddhead}
```

define the toc chapter and page labels for additional pgs.

```
535 \def\ps@tocextraheadings{
536 \def\@oddfoot{\@footlines{\@footer}}
537 \def\@oddhead{{\hbox to\textwidth{Chapter\hfil{Page}}}}
538 \let\@evenfoot\@oddfoot
539 \let\@evenhead\@oddhead
540 \textheight 620pt
541 \headheight 14pt
542 \headsep 14pt}
```

redefine the plain page headers and footers for bound option.

```
543 \def\ps@plain{
544 \def\@oddfoot{\@footlines{\@footer}}
545 \def\@oddhead{}
546 \let\@evenfoot\@oddfoot
547 \let\@evenhead\@oddhead
548 \textheight 620pt}
```

```

549 \headheight 14pt
550 \headsep 14pt}

```

### 10.18.1 TOC, TOF, etc... Headers

```

551 \def\@contentspages#1#2{
552 \clearpage
553 \markboth{#1}{#1}
554 \thispagestyle{tocheadings}
555 \@startchapter{#2}
556 \vspace*{14pt}
557 \noindent
558 \makebox[\textwidth][l]{#1 \hfill Page}
559 }
560 \def\@tableofcontents{\@contentspages{Chapter}{TABLE OF CONTENTS}
561 \@mysingle\@starttoc{toc}\pagestyle{tocextraheadings}}
562 \def\@listoffigures{\@contentspages{Figure}{LIST OF FIGURES}
563 \@mydouble\@starttoc{\ext@figure}\pagestyle{tocextraheadings}}
564 \def\@listoftables{\@contentspages{Table}{LIST OF TABLES}
565 \@mydouble\@starttoc{\ext@table}\pagestyle{tocextraheadings}}

```

## 10.19 Table of Contents Formatting

Here we set up the formatting for the TOC, TOF, etc...

```

566 \if@gsmodern
567   \def\numberline#1{\hbox to\@tempdima{\hskip 0.75em #1\hfil}}
568 \else
569   \def\numberline#1{\hbox to\@tempdima{\hfil #1\hskip 0.75em}}
570 \fi
571 \def\@dottedtocline#1#2#3#4#5{
572   \ifnum #1>\c@tocdepth
573   \else
574     \vskip \z@ \@plus.2\p@
575     {\leftskip=#2\relax \rightskip=\@tocrmarg
576 \parfillskip=-\rightskip
577   \parindent=#2\relax \hangindent=1.5em
578 \singleSPACE\@afterindenttrue
579   \interlinepenalty\@M
580   \leavevmode
581   \@tempdima=#3\relax
582   \advance\leftskip by\@tempdima \null\nobreak
583 \hskip -\leftskip
584   {#4}\nobreak
585   \leaders\hbox{$\m@th
586     \mkern \@dotsep mu\hbox{.}\mkern
587 \@dotsep
588   mu$}\hfill
589   \nobreak
590   \hb@xt@\@pnumwidth{\hfil\normalfont
591 \normalcolor #5}
592   \par}
593 \fi}
594 \def\@sechack{\relax}
595 \def\l@chapter#1#2{
596   \pagebreak[3]\par\vskip\baselineskip

```

```

597 \dottedtocline{0}{0in}{0.5in}{#1}{#2}
598 \nopagebreak\par
599 \gdef\@sechack{\vskip\baselineskip\gdef\@sechack{\relax}}
600 \if@gsmodern
601 \def\l@section{\@sechack\@dottedtocline{1}{0.5in}{0.5in}}
602 \else
603 \if@numsections
604 \def\l@section{
605 \@sechack\@dottedtocline{1}{0.5in}{0.5in}}
606 \else
607 \def\l@section{
608 \@sechack\@dottedtocline{1}{0.75in}{0.5in}}
609 \fi
610 \fi
611 \def\l@figure{\@dottedtocline{0}{0in}{0.5in}}%
612 \def\l@table{\@dottedtocline{0}{0in}{0.5in}}

```

## 10.20 The Chapter Headings Formatting

\@chapapp Here we define the chapter heading format and all the conditionals for appendices etc. . .

```

613 \def\@chapapp{CHAPTER}
614 \renewcommand{\thechapter}{\arabic{chapter}}
615 \def\@makechapterhead#1{{
616 \centering
617 \ifnum \c@secnumdepth>\m@ne
618 \@chapapp{}
619 \if@appendices
620 \ifnum 1=\aux@appendices
621 \ifnum 1=\c@chapter\else
622 \typeout{warning:
623 extra appendices; rerun LaTeX}
624 \thechapter
625 \fi
626 \else
627 \thechapter
628 \fi
629 \else
630 \Roman{chapter}
631 \fi
632 \par
633 \vskip 2ex
634 \fi
635 \ifsc\textsc{#1}\else\uppercase{#1}\fi\par\nopagebreak\vskip 4ex}}
636 \def\@makeschapterhead#1{{
637 \@startchapter{\ifsc\textsc{#1}\else\uppercase{#1}\fi}\par
638 \nopagebreak\vskip 4ex}}
639 \def\chapter{
640 \clearpage\global\@topnum\z@
641 \@afterindenttrue\secdef\@chapter\@schapter}
642 \def\@chapter[#1]#2{
643 \stepcounter{chapter}
644 \if@appendices
645 \protected@edef\@currentlabel

```

```

646 {\csname p@chapter\endcsname\Alph{chapter}}
647 \else
648 \protected@edef\@currentlabel
649 {\csname p@chapter\endcsname\Roman{chapter}}
650 \fi
651 \typeout{[#1]}
652 \if@appendices
653 \ifnum\c@chapter=1
654 \ifnum\aux@appendices=1
655 \addtocontents{toc}{
656 \protect\pagebreak[3]\protect\vspace{3ex}
657 \protect\nopagebreak\protect\noindent
658 {} \protect\nopagebreak}
659 \else
660 \addtocontents{toc}{
661 \protect\pagebreak[3]\protect\vspace{3ex}
662 \protect\nopagebreak\protect\noindent
663 {APPENDICES} \protect\nopagebreak}
664 \fi
665 \fi
666 \fi
667 \@emit{\string\global\string\aux@appendices=\number\c@chapter}
668 \ifnum \c@secnumdepth > \m@ne
669 \if@appendices
670 \ifnum\aux@appendices=1
671 \addcontentsline{toc}{chapter}
672 {APPENDIX:
673 \ifsc\textsc{#1}\else\uppercase{#1}\fi}
674 \else\ifnum\aux@appendices > 1
675 \addcontentsline{toc}{chapter}
676 {\protect\number@appendix{\number\c@chapter
677 }{\Alph{chapter}.}
678 \ifsc\textsc{#1}\else\uppercase{#1}\fi}
679 \fi\fi
680 \else
681 \addcontentsline{toc}{chapter}
682 {\protect\numberline{\Roman{chapter}.}\ifsc\textsc{#1}
683 \else\uppercase{#1}\fi}
684 \fi
685 \fi
686 \chaptermark{\ifsc\textsc{#1}\else\uppercase{#1}\fi.}
687 \if@twocolumn
688 \@topnewpage[\@makechapterhead{\ifsc\textsc{#2}
689 \else\uppercase{#2}\fi}]
690 \else
691 \@makechapterhead{\ifsc\textsc{#2}\else\uppercase{#2}\fi}
692 \@afterheading
693 \fi}
694 \def\@schapter#1{
695 \if@twocolumn
696 \@topnewpage[\@makeschapterhead{\ifsc\textsc{#1}\else
697 \uppercase{#1}\fi}]
698 \else
699 \@makeschapterhead{\ifsc\textsc{#1}\else\uppercase{#1}\fi}

```

```

700 \@afterheading
701 \fi}
702 \def\chapter{
703 \clearpage\global\@topnum\z@
704 \@afterindenttrue \secdef\@chapter\@schapter}
705 \def\@chapterline#1{\centerline{#1}}
706 \def\@startchapter#1{\@chapterline{#1}}

```

## 10.21 Section Headings formatting

`\@underbar` Here we define the code for a package specific underlining environment.

```

707 \def\@underbar#1{{\setbox0=\hbox{#1}\dp0=0pt\underline{\box0}$}}

```

`\@startsection` Here we define the section command with all its associated conditionals.

```

708 \def\@startsection#1#2#3#4#5#6{\if@noskipsec \leavevmode \fi
709 \par \@tempskipa #4\relax
710   \@afterindenttrue
711   \ifdim \@tempskipa <\z@ \@tempskipa -\@tempskipa \@afterindentfalse\fi
712   \if@nobreak
713 \everypar{}
714 \else
715   \addpenalty{\@secpenalty}\addvspace{\@tempskipa}
716 \fi
717 \@ifstar{\@ssect{#2}{#3}{#4}{#5}{#6}}{\@dblarg{
718 \@sect{#1}{#2}{#3}{#4}{#5}{#6}}}}
719 \def\@sect#1#2#3#4#5#6[#7]#8{
720   \if@gsmodern
721     \refstepcounter{#1}
722     \edef\@svsec{\csname the#1\endcsname~~}
723   \else
724 \if@numsections
725     \refstepcounter{#1}
726     \edef\@svsec{\csname the#1\endcsname~~}
727   \else
728     \ifnum #2>\c@@shownumdepth
729       \def\@svsec{}
730 \else
731     \edef\@svsec{\csname the#1\endcsname\hskip 1em }
732 \fi
733     \ifnum #2>\c@secnumdepth\else\refstepcounter{#1}\fi
734   \fi
735 \fi
736   \@tempskipa #5\relax
737   \ifdim \@tempskipa>\z@
738     \if@gsmodern
739       \begingroup
740         \@hangfrom{\bf#6\relax\hskip #3\relax\@svsec{#8}}{
741           \interlinepenalty \@M
742         \endgroup
743     \else
744 \if@numsections
745       \begingroup #6\relax
746       \@hangfrom{#6\relax\hskip #3\relax}{

```

```

747 \ifnum #2=1 \bf\else
748 \ifnum #2=3 \it\else\fi\fi
749 \interlinepenalty \@M
750     \ifnum #2=1 \@svsec{#8}\else
751 \ifnum #2=2 \@underbar{#8}\else#8\fi\fi
752     \par}
753     \interlinepenalty \@M
754     \endgroup
755     \else
756     \begingroup #6\relax
757     \@hangfrom{\hskip #3\relax\@svsec}{
758 \ifnum #2=1 \bf\else
759 \ifnum #2=2 \it\else\fi\fi
760 \interlinepenalty \@M
761     \ifnum #2=3 \@underbar{#8} \else #8 \fi
762     \par}
763     \endgroup
764     \fi
765 \fi
766     \csname #1mark\endcsname{#7}\addcontentsline{toc}{#1}{
767     \ifnum #2>\c@@shownumdepth
768 \else
769 \protect\numberline{\csname the#1\endcsname}
770 \fi#7}
771 \else
772 \def\@svsechd{#6\hskip #3\@svsec #8
773 \csname #1mark\endcsname{#7}\addcontentsline{toc}{#1}{
774 \ifnum #2>\c@@shownumdepth
775 \else
776                                     \protect\numberline{\csname the#1\endcsname}
777 \fi#7}}
778 \fi
779 \@xsect{#5}}
780 \def\@ssect#1#2#3#4#5#6{\@tempskipa #4\relax
781 \ifdim\@tempskipa>\z@
782 \begingroup #5\@hangfrom{\hskip #2}{\interlinepenalty \@M
783 \ifodd #1
784 \ifnum #1 >3 \@underbar{#6} \hfil
785 \else
786                                     \@underbar{#6}
787 \fi
788 \else
789                                     #6
790 \fi \par}\endgroup
791     \else
792 \def\@svsechd{#5\hskip #2\relax {#6}}
793 \fi
794 \@xsect{#4}}

```

### 10.21.1 Numbering Hierarchies

\section Here we define the numbering hierarchy for the various numbering modes.

```

795 \if@gsmodern

```

gsmodern sets hierarchy to be numbered C.sec.sub.sub.s

```

796 \def\section{\@startsection{section}{1}{\z@}{3ex}{2ex}{}}
797 \renewcommand{\thesection}{\thechapter.\arabic{section}.}
798 \def\subsection{\@startsection{subsection}{2}{\z@}{3ex}{2ex}{}}
799 \renewcommand{\thesubsection}{\thesection\arabic{subsection}.}
800 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{3ex}{2ex}{}}
801 \renewcommand{\thesubsubsection}{\thesubsection\arabic{subsubsection}.}
802 \renewcommand{\theequation}{Equation\ \thechapter.\arabic{equation}.}
803 \else
804 \if@numsections
    numsections numbers C.sect.
805 \def\section{\@startsection{section}{1}{\z@}{3ex}{2ex}{\centering}}
806 \renewcommand{\thesection}{\thechapter.\arabic{section}.}
807 \def\subsection{\@startsection{subsection}{2}{\z@}{3ex}{2ex}{\centering}}
808 \renewcommand{\thesubsection}{\thechapter.\arabic{subsection}.}
809 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{2ex}{2ex}{\centering}}
810 \renewcommand{\thesubsubsection}{\thesubsection\arabic{subsubsection}.}
811 \renewcommand{\theequation}{Equation\ \thechapter.\arabic{equation}.}
812
813 \else
814 \def\section{\@startsection{section}{1}{\z@}{3ex}{2ex}{\centering}}
815 \def\subsection{\@startsection{subsection}{2}{\z@}{3ex}{2ex}{\centering}}
816 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{2ex}{2ex}{\centering}}
817 \fi
818 \fi

```

## 10.22 Bibliography Formatting

`\@bibsection` Here we create the bibsection command from a chapter and add an entry to the TOC.

```

819 \newcommand{\@bibsection}[1]{
820 \clearpage
821 \addcontentsline{toc}{chapter}{#1}
822 \@startchapter{#1}
823 \singlespacing
824 \@mybibsingl
825 \vspace*{3ex}}

```

`\thebibliography` Here we build the bibliography using the bibsection command.

```

826 \def\thebibliography#1{
827 \@bibsection{REFERENCES CITED}\list
828 {[{\arabic{enumi}}]{\labelwidth\z@ \itemindent-\parindent
829 \leftmargin\parindent
830 \interlinepenalty\@M
831 \usecounter{enumi}}
832 \def\newblock{\hspace .11em plus .33em minus -.07em}
833 \sloppy
834 \raggedright
835 \sfcode'\.=1000\relax}
836 \let\endthebibliography=\endlist
837 %%\newcommand{\formatbib}{
838 %% \addcontentsline{toc}{chapter}{REFERENCES CITED}

```

```

839 %% \renewcommand\bibname{REFERENCES CITED}}
840 \AtEndOfClass{\renewcommand\bibname{REFERENCES CITED}}

```

## 10.23 Float Labels

`\thefigure` Formatting for the the floats.

```

841 \def\thefigure{\@arabic\c@figure}
842 \def\fnun@figure{FIGURE \thefigure}
843 \def\thetable{\@arabic\c@table}
844 \def\fnun@table{TABLE \thetable}

Table and figure numbering by chapter or continuous

845 \if@gsmodern
846 \else
847 \def\cl@chapter{\@elt{section}\@elt{footnote}\@elt{equation}}
848 \fi

gsmodern sets figures and tables to be numbered C.Fig. and C.Tab.

849 \if@gsmodern
850 \renewcommand{\thefigure}{\thechapter.\arabic{figure}.}
851 \renewcommand{\thetable}{\thechapter.\arabic{table}.}
852 \renewcommand{\theequation}{Equation\ \thechapter.\arabic{equation}.}
853 \fi

```

## 10.24 Italicized Description Labels

`\descriptionlabel` Setting italics labels

```

854 \renewcommand{\descriptionlabel}[1]{
855 \hspace{\labelsep}\textit{#1}}

```

## 10.25 Appendix Formatting

`\appendix` Define the appendix and set up the formatting for the chapter heading.

```

856 \newif\if@appendices
857 \newcount\aux@appendices
858 \def\number@appendix#1#2{
859 \ifnum 1=\aux@appendices
860 \ifnum 1=#1
861 {\protect\hspace*{0.5in}}
862 \else
863 \numberline{#2}
864 \fi
865 \else
866 \numberline{#2}
867 \fi}
868 \def\appendix{
869 \par
870 \setcounter{chapter}{0}
871 \def\@chapapp{\uppercase{appendix}}
872 \def\thechapter{\Alph{chapter}}
873 \@appendicestrue}

```

## 10.26 Correction of Spacing Problems

... Not really sure what this code does. It is legacy form an earlier version.

```
\@savdim
874 \ifx\@savdim\undefined
875 \let\@savdim\@savsk
876 \newskip\@savsk
877 \fi

\@bsphack
878 \def\@bsphack{\relax
879 \ifmmode
880 \else
881 \@savsk\lastskip
882 \@savsf
883 \ifhmode
884 \spacefactor
885 \else
886 \lastpenalty\@savdim\prevdepth\removelastskip%
887 \fi
888 \fi}

\@esphack
889 \def\@esphack{\relax
890 \ifmmode
891 \else\ifvmode
892 \penalty\if@nbreak\@M
893 \else\if@inlabel\@M
894 \else\if@noskipsec\@M
895 \else\@savsf
896 \fi
897 \fi
898 \fi
899 \prevdepth\@savdim\vskip\@savsk
900 \else
901 \spacefactor\@savsf\relax
902 \ifdim\@savsk>\z@\ignorespaces
903 \fi
904 \fi
905 \fi}
```

## 10.27 Environment Refinements

```
\@@begintheorem
906 \def\@@begintheorem#1#2#3{\noindent
907 \list{}{\rightmargin=\leftmargin
908 \itemindent=\leftmargin}
909 \item[\underline{#1\ #2}#3]\hskip
910 Opt\par\nobreak\ignorespaces}

\@begintheorem
911 \def\@begintheorem#1#2{
912 \@@begintheorem{#1}{#2}{}}
```

```

\@opargbegintheorem
    913 \def\@opargbegintheorem#1#2#3{
    914 \@@begintheorem{#1}{#2}{ (#3)}}

\@qed
    915 \def\@qed{\unskip\nobreak
    916 \hfil\penalty50\hskip1em\null\nobreak\hfil
    917 \qedsymbol\parfillskip\z@finalhyphendemerits0\par}}

\@endtheorem
    918 \def\@endtheorem{\expandafter
    919 \ifx\csname qedsymbol\endcsname\relax
    920 \else\@qed\fi\endlist}

qedbox
    921 \def\qedbox{\mathsurround\z@$\Box$}
    922 \let\labelitemi=\labelitemii
    923 \let\labelitemii=\labelitemiii
    924 \let\labelitemiii=\labelitemiv
    925 \catcode'\*=11
    926 \let\itemize*=\enumerate
    927 \let\enditemize*=\endenumerate
    928 \@makeother\*
    929 \let\@itemize=\itemize

\itemize
    930 \def\itemize{
    931 \typeout{Warning: Itemize
    932 deprecated by Grad. School}
    933 \global\let\itemize=\@itemize
    934 \itemize}

quote*
    935 \newenvironment{quote*}
    936 {\list{\}{\rightmargin\leftmargin}
    937 \item\relax}
    938 {\endlist}

quote
    939 \renewenvironment{quote}
    940 {\begin{quote*}\singlespace\it\footnotesize}
    941 {\end{quote*}}

```

## 10.28 Reference Pages

```

\pagesref
    942 \newif\if@pagesspecial
    943 \newcommand{\pagesref}[5]{\{
    944 \@pagesspecialtrue
    945 \expandafter\ifx\csname r@#1\endcsname\relax
    946 \@pagesspecialfalse\else\fi

```

```

947 \expandafter\ifx\csname r@#2\endcsname\relax
948 \@pagesspecialfalse\else\fi
949 \if@pagesspecial
950 \@tempcnta=\pageref{#1}
951 \@tempcntb=\pageref{#2}
952 \ifnum\@tempcnta=\@tempcntb\else\@pagesspecialfalse\fi
953 \if@pagesspecial
954 \ifnum\@tempcnta=\c@page
955 {#5}
956 \else
957 \mbox{{#3}\pageref{#1}}
958 \fi
959 \fi
960 \fi
961 \if@pagesspecial
962 \else
963 \mbox{{#4}\pageref{#1}--\pageref{#2}}
964 \fi}}

```

\pages

```

965 \newcommand{\pages}[2]{\pagesref{#1}{#2}
966 {p.\hspace*{0.2em}}{pp.\hspace*{0.2em}}{this page}}

```

</class>

## 11 Change History

2.5	General: Major restructuring of the CV area to allow for a more LaTeX-like experience. Borrowing code ideas from alternate physics LaTeX Code. . . . . 18	v2.0b	General: Removed outdated caption.cls support. Cleaning up the error codes during the compile. . . . . 1
v1.0	General: Everything previous to 2009/07/24 . . . . . 1	v2.0c	General: Updated draftcopy option. Added new features and tuned others. Added the <b>ednote</b> command (mooched from the 1.0 example documents) with some modifications. Added the <b>HERE</b> command (mooched from the 1.0 example documents) with some modifications. Added the <b>needref</b> command. Added support for draft option in graphics package (figures show bounding boxes rather than figures in draftcopy mode). <b>varioref</b> support corrected. . . . . 1
v2.0a	General: Initial work started. Considering all previous versions "1.0." Cleaning up comments updating out dated package used and added packages to provide new functionality. Removed support for "tech report." Removed <b>normalspace</b> command, will use <b>setspace</b> options from now on. Updated the chair and advisor listings to be more general. Corrected a formatting issue on the signature page . . . . . 1	v2.0d	General: Refined editing tools to only appear in editing mode and not cause errors during fi

	nal typesetting. . . . .	1		<b>contnumbering:</b> Provides option of having the figure and tables numbered continuously or by chapter. . . . .	1
v2.0e	General: Created draftimages option, which sets the includegraphics command in graphicx to "draft" mode. . . . .	1	v2.0j	General: Fixed numbering issues with appendices. Corrected coding for gsmodern to be the hierarchical level numbering. Implemented overfull hbox marking in all draft modes. . . . .	1
v2.0f	General: Started cleaning up the comments and logic hierarchies. Using Tabs not spaces for nesting. . . . .	1	v2.0k	General: Corrected conditional appendix formatting to account for the formatting difference between a singular appendix and multiple appendices. Implemented watermarking on the various draft environments. Employed <b>draftwatermark.cls</b> : Currently only places watermarks on the first page... may change this in the future. Implemented Layouts package in draft mode only: Places a schematic of the page layout after the draft copy cover . . . . .	1
v2.0g	General: Corrected comments from the UO graduate school. Title Page: Title double spaced. No hyphenation throughout (using hyphenation penalties). Suppressed widows and orphans. CV: Rolled Grants into Awards and Honors . TOC: Set the "Chapter" column heading to appear on extra TOC pages. Corrected References to be single spaced with 1 line between each entry. Correct References problem with TOC, spacing, and formatting. (found to be a conflict with chemstyle). <b>gsmodern</b> set to be bold sections rather than underlined to prevent obscuring subscripts. . . . .	1	v2.0l	General: Added new environments <b>chem</b> and <b>Chem</b> based on a combination of amsmath equation environments and mhchem calls. <b>chem</b> is for use in short equations and uses amsmath equation environments. <b>Chem</b> is for use in long equations requiring linebreaks and uses amsmath multiline environments. Also added <b>rxn:</b> tag for cross referencing. allow for the use of typical ref commands or <b>eqref</b> from amsmath which produced parentheses . . . . .	1
v2.0h	General: Corrected comments from UO graduate school: Corrected chapter number spacing in TOC/TOT/TOF. Corrected fonts to force 12pt on final draft. Various improvements and new features: Implemented <b>cleanbreak</b> command for TOC/TOT/TOF linebreaks. Implemented <b>smallcaps</b> option for which allows small caps in the titles for use with subscripts. Refined various modes (Draft, Committee draft, etc.) added red disclaimers to all drafts implemented line numbers on draft modes added ams math files to default loading. Implemented <b>final</b> option to turn all draft modes off for dead sure. . . . .	1	v2.0m	General: Reworked the editing markup to use the todonotes package. Now adds a list of editing marks and the pages before the document in draft mode. . .	1
v2.0i	General: Created the option		v2.0n	General: Added support for lorem ipsum dummy text through the "lipsum" option in the document header. Cleaned up psuedocode. . . . .	1

v2.0o	General: Brought abstract and approval pages into compliance with new graduate student formatting guidelines. . . . .	1	option to acknowledgements. . .	24
v2.0p	General: Fixed comments from graduate student thesis editor. Corrected Appendix bug (somebody tied the appendix marker to the back flyleafâĀĖ). Got the page number placement sorted out. . .	1	General: added bound option for formatting the document as for printing/binding. Currently this only handles 1 sided printing based on the previous dissertation class. Also ties the bound mode to the draft mode, allowing the printing and 3 hole punching of documents. A disclaimer is placed on the copyright page indicating that the document is for personal use and is not to be confused with the official formatting (i.e. final with bound off). First version in .dtx format . . . . .	1
v2.1	General: Tweaked gsmodern, numsection, and default numbering schemes for sections, tables and figures. . . . .	1	<code>\cleanbreak</code> : Corrected a potential error here when the command is used with the ragged right text block. . . . .	14
v2.2	General: Made flush left text the default for the text block. Added "justified" option for full justified (LaTeX default) text block. Adjusted the default indent to 24pt as per the GS recommendation. . .	1	v2.5	General: A significant rewrite of the CV handling. . . . .
v2.3	General: added "amstex" and "chemistry" options. amstex loads the ams packages amsthm, amsmath, and amssymb packages in the appropriate order as indicated by the ams-tex manual. chemistry loads mhchem and creates new environments for long chemical equations as well as the "reaction" environment. . . . .	1	Added formatbib . . . . .	36
v2.4	<code>\@makeabstractpage</code> : Added RaggedRight option to abstract. . . . .	24	changed the awards command, and turned it into a 1 entry macro. . . . .	9
	<code>\@makeackpage</code> : Added RaggedRight		changed the degrees command, and turned it into a 1 entry macro. . . . .	9
			changed the experience command, and turned it into a 1 entry macro. . . . .	9
			changed the publications command, and turned it into a 1 entry macro. . . . .	9
			changed the schools command, and turned it into a 1 entry macro. . . . .	9

## 12 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.

<b>Symbols</b>	<code>\@abstracttitle</code> . . . . .	. 212, 341, 373, 376
<code>\@@begintheorem</code> . . . . .	. . . . . 207, 332, 370	<code>\@afterheading</code> 687, 695
. . . . . <u>901</u> , 907, 909	<code>\@acknowledge</code> . 227, 391	<code>\@afterindentfalse</code> . 706
<code>\@Sigline</code> . . . . . 231	<code>\@addtoreset</code> 108, 117, 136	<code>\@afterindenttrue</code> . .
<code>\@abstract</code> . 224, 380, 492	<code>\@advisor</code> . . . . .	. 573, 636, 699, 705

<code>\@appendicestrue</code> .. 868	<code>\@evenhead</code> . 529, 534, 542	<code>\@pagesspecialtrue</code> . 939
<code>\@arabic</code> ..... 836, 838	<code>\@experience</code> .. 247, 451	<code>\@papertype</code> ... 173, 333
<code>\@author</code> .. 208, 331,	<code>\@footer</code> 521, 526, 531, 539	<code>\@plus</code> ..... 569
356, 366, 436, 486	<code>\@footlines</code> .....	<code>\@pnumwidth</code> ..... 585
<code>\@awards</code> ..... 248, 452	. 520, 526, 531, 539	<code>\@publications</code> 249, 453
<code>\@begintheorem</code> .... 906	<code>\@fromtopskip</code> .....	<code>\@qed</code> ..... 910, 915
<code>\@bibsection</code> .. 814, 821	. 273, 355, 408, 411	<code>\@savdim</code> .. 869, 881, 894
<code>\@birthdate</code> ... 243, 438	<code>\@graddean</code> .... 220, 344	<code>\@savsf</code> ... 877, 890, 896
<code>\@birthplace</code> .. 242, 437	<code>\@gsmoderntrue</code> .... 40	<code>\@savsk</code> ..... 870,
<code>\@bounddisclaimer</code> ..	<code>\@hangfrom</code> .....	871, 876, 894, 897
..... 196, 357	. 735, 741, 752, 777	<code>\@schapter</code> . 636, 689, 699
<code>\@bsphack</code> ..... 873	<code>\@ifnextchar</code> .. 145, 147	<code>\@schools</code> .... 244, 441
<code>\@cappapertype</code> ....	<code>\@ifstar</code> ..... 712	<code>\@sechack</code> ..... 589,
..... 161, 163,	<code>\@interests</code> ... 246, 447	594, 596, 600, 603
167, 169, 172, 173	<code>\@itemize</code> .... 924, 928	<code>\@secpenalty</code> ..... 710
<code>\@chair</code> ..... 213, 337	<code>\@listoffigures</code> 469, 557	<code>\@sect</code> ..... 713, 714
<code>\@chapapp</code> .... 608, 866	<code>\@listoftables</code> 470, 559	<code>\@sigline</code> .....
<code>\@chapter</code> . 636, 637, 699	<code>\@longdraftdate</code> 158, 485	. 230, 373, 374, 376
<code>\@chapterline</code> .....	<code>\@mainaux</code> ..... 295	<code>\@ssect</code> ..... 712, 775
..... 409, 700, 701	<code>\@makeabstractpage</code> .	<code>\@startchapter</code> ....
<code>\@cochair</code> . 216, 339, 374	..... 359, 461	..... 327, 362,
<code>\@cochairtrue</code> ..... 216	<code>\@makeackpage</code> . 381, 463	384, 412, 433,
<code>\@committee</code> ... 218, 342	<code>\@makeapprovepage</code> ..	550, 632, 701, 817
<code>\@contentspages</code> ...	..... 324, 459	<code>\@startsection</code> ....
. 546, 555, 557, 559	<code>\@makechapterhead</code> ..	. 703, 791, 793,
<code>\@copyrighttrue</code> ... 39	..... 610, 683, 686	795, 800, 802,
<code>\@coverttitle</code> .. 206, 483	<code>\@makecopyrightpage</code>	804, 809, 810, 811
<code>\@currentlabel</code> 640, 643	..... 351, 460	<code>\@starttoc</code> ..... 469,
<code>\@cvhangindent</code> ....	<code>\@makededpage</code> . 399, 464	470, 556, 558, 560
..... 237, 439, 449	<code>\@makedraftcover</code> 475, 508	<code>\@svsec</code> ..... 717,
<code>\@dblarg</code> ..... 712	<code>\@makeoother</code> ..... 923	721, 724, 726,
<code>\@dedication</code> 226, 403, 420	<code>\@makeschapterhead</code> .	735, 745, 752, 767
<code>\@dedicationtrue</code> .. 226	..... 631, 691, 694	<code>\@svsechd</code> .... 767, 787
<code>\@degree</code> 221, 321, 335, 367	<code>\@maketitlepage</code> 301, 458	<code>\@tableofcontents</code> ..
<code>\@degreemonth</code> .....	<code>\@maketitlepages</code> ..	..... 468, 555
. 222, 322, 349, 369	. 456, 503, 506, 514	<code>\@tempcnta</code> . 945, 947, 949
<code>\@degrees</code> .... 245, 444	<code>\@makevita</code> .... 430, 462	<code>\@tempcntb</code> .... 946, 947
<code>\@department</code> .. 210, 368	<code>\@mydouble</code> . 155, 558, 560	<code>\@tempdima</code> . 274, 275,
<code>\@disclaimer</code> ... 179,	<code>\@mysingle</code> . 156, 556, 818	276, 277, 278,
314, 388, 417, 496	<code>\@mysinglespace</code> ... 156	279, 280, 281,
<code>\@dissertationfalse</code> 34	<code>\@narrowauthor</code> .... 209	403, 405, 407,
<code>\@dissertationtrue</code> . 33	<code>\@narrowdepartment</code> .	562, 564, 576, 577
<code>\@dotsep</code> ..... 581, 582	..... 211, 316, 335	<code>\@tempskipa</code> .....
<code>\@dottedtocline</code> ...	<code>\@normalheaderdims</code> .	. 704, 706, 710,
. 566, 592, 596,	..... 251, 272, 472	731, 732, 775, 776
600, 603, 606, 607	<code>\@numsectionstrue</code> ... 41	<code>\@tocrmarg</code> ..... 570
<code>\@draftdate</code> ... 157, 175	<code>\@oddfoot</code> . 526, 528,	<code>\@topnewpage</code> .. 683, 691
<code>\@draftstring</code> ..... 174	531, 533, 539, 541	<code>\@topnum</code> ..... 635, 698
<code>\@elt</code> ..... 842	<code>\@oddhead</code> . 527, 529,	<code>\@underbar</code> ..... 702,
<code>\@emit</code> ..... 295, 662	532, 534, 540, 542	746, 756, 779, 781
<code>\@empty</code> ..... 139, 141	<code>\@opargbegintheorem</code> 908	<code>\@upperabstracttitle</code>
<code>\@endtheorem</code> ..... 913	<code>\@optional</code> ..... 228	..... 207
<code>\@esphack</code> ..... 884	<code>\@pagesspecialfalse</code>	<code>\@upperauthor</code> . 208, 312
<code>\@evenfoot</code> . 528, 533, 541	..... 941, 943, 947	

<code>\@uppercovertitle</code> ..	<code>\chair</code> ..... 8, <a href="#">213</a>	<code>\draftimagetrue</code> ... 35
..... 206, 308	<code>\chapter</code> ..... 634, 697	<code>\drafttrue</code> ... 36, 37, 38
<code>\@uppernarrowauthor</code> 209	<code>\chaptermark</code> ..... 681	<code>\draftwatermark</code> ... <a href="#">95</a>
<code>\@upperpapertype</code> 172,	<code>\Chem</code> ..... 6, <a href="#">140</a>	
315, 327, 362, 481	<code>\chem</code> ..... 6, <a href="#">86</a> , <a href="#">138</a>	<b>E</b>
<code>\@xsect</code> ..... 774, 789	chemistry (option) ... 4	<code>\edef</code> ..... 717, 721, 726
	<code>\chemtrue</code> ..... 43	<code>\ednote</code> .... 5, <a href="#">107</a> , 123
<code>\_</code> ..... 135, 327,	<code>\cl@chapter</code> ..... 842	<code>\eg</code> ..... 5, 148
333, 335, 362,	<code>\cleanbreak</code> ..... 5, <a href="#">127</a>	<code>\emph</code> ..... 144
797, 806, 847, 904	<code>\clubpenalty</code> ..... 299	<code>\endenumerate</code> ..... 922
<b>A</b>	<code>\cochair</code> ..... 8, <a href="#">214</a>	<code>\enditemize</code> ..... 922
<code>\abstract</code> ..... 8, <a href="#">224</a>	<code>\columnwidth</code> ..... 189	<code>\endlist</code> .. 830, 915, 933
<code>\abstracttitle</code> .. 8, <a href="#">207</a>	<code>\committee</code> ..... 8, 218	<code>\endsinglespace</code> ... 155
<code>\acknowledge</code> .... 8, <a href="#">227</a>	committeedraft (op-	<code>\endthebibliography</code> 830
<code>\addcontentsline</code> ..	tion) ..... 4	<code>\enumerate</code> ..... 921
. 666, 670, 676,	<code>\committeedraftfalse</code> 48	environments:
761, 768, 816, 832	<code>\committeedrafttrue</code> 37	quote ..... <a href="#">934</a>
<code>\addpenalty</code> ..... 710	contnumbering (op-	quote* ..... <a href="#">930</a>
<code>\addtocontents</code> 650, 655	tion) ..... 4	<code>\etal</code> ..... 5, 147
<code>\addtolength</code> ..... 239	<code>\copyright</code> ..... 356	<code>\etc</code> ..... 5, 145
<code>\addvspace</code> ..... 710	copyright (option) ... 4	<code>\evensidemargin</code> 257, 265
<code>\advance</code> 275, 276, 277,	<code>\covertitle</code> ..... 8, <a href="#">206</a>	<code>\everypar</code> . 439, 448, 708
278, 279, 280, 577	<code>\cst@eg</code> ..... 148, 153	<code>\experience</code> ..... <a href="#">247</a>
<code>\advisor</code> ..... 8, <a href="#">212</a>	<code>\cst@etal</code> .... 147, 150	<code>\ext@figure</code> ... 469, 558
<code>\Alph</code> ..... 641, 672, 867	<code>\cst@etc</code> ..... 145, 151	<code>\ext@table</code> .... 470, 560
<code>\amstex</code> ..... <a href="#">89</a>	<code>\cst@ie</code> ..... 149, 152	
amstex (option) ..... 4	<code>\cst@latin</code> . 144, 146,	<b>F</b>
<code>\amstextrue</code> ..... 42, 43	150, 151, 152, 153	<code>\fboxrule</code> ..... 188
<code>\appendix</code> ..... <a href="#">851</a>	<code>\cst@xspace</code> ..... 143, 145, 146, 147	<code>\fboxsep</code> ..... 187
<code>\AtEndOfClass</code> ..... 835	<code>\CurrentOption</code> ..... 51	final (option) ..... 4
<code>\author</code> ..... 8, <a href="#">208</a>	<code>\CV_Variables</code> ..... <a href="#">242</a>	<code>\finalhyphendemerits</code>
<code>\award</code> ..... 9, 248	<code>\cvitem</code> 241, 451, 452, 453	..... 912
<code>\awards</code> ..... <a href="#">248</a>	<code>\cvmultiline</code> ..... <a href="#">233</a>	<code>\finaltrue</code> ..... 48
	<code>\cvoneline</code> ..... <a href="#">232</a>	<code>\fnum@figure</code> ..... 837
<b>B</b>		<code>\fnum@table</code> ..... 839
<code>\bibname</code> ..... 834	<b>D</b>	<code>\footnotesep</code> .. 260, 268
<code>\birthday</code> ..... 9, <a href="#">243</a>	<code>\day</code> ..... 157	<code>\footnotesize</code> ..... 935
<code>\birthplace</code> ..... 9, <a href="#">242</a>	<code>\dedication</code> ..... 9, <a href="#">225</a>	<code>\footskip</code> .... 259, 267
<code>\blacksquare</code> ..... 113	<code>\degree</code> ..... 9, 245	<code>\formatbib</code> .... 831, 835
bound (option) ..... 5	<code>\degreemonth</code> .... 8, <a href="#">222</a>	<code>\framebox</code> ..... 189
<code>\boundtrue</code> ..... 36, 50	<code>\degrees</code> ..... <a href="#">245</a>	
<b>C</b>	<code>\degreetype</code> ..... 8, <a href="#">221</a>	<b>G</b>
<code>\c@figure</code> ..... 836	<code>\degreeyear</code> ..... 8, <a href="#">223</a>	<code>\global</code> 635, 662, 698, 928
<code>\c@page</code> ..... 949	<code>\department</code> ..... 8, <a href="#">210</a>	<code>\graddean</code> ..... 8, <a href="#">220</a>
<code>\c@secnumdepth</code> ....	<code>\descriptionlabel</code> .. <a href="#">849</a>	gsmodern (option) .... 4
..... 612, 663, 728	dissertation (option) 4	
<code>\c@table</code> ..... 838	<code>\doublespacing</code> .... 307	<b>H</b>
<code>\c@tocdepth</code> ..... 567	<code>\dp</code> ..... 702	<code>\hangindent</code> 439, 449, 572
<code>\captionsetup</code> ..... 83	draftcopy (option) ... 4	<code>\hb@xt@</code> ..... 585
<code>\catcode</code> ..... 920	<code>\draftcopyfalse</code> ... 47	<code>\headheight</code> .....
<code>\cee</code> ..... 138, 140	<code>\draftcopytrue</code> .... 36	. 253, 277, 536, 544
<code>\centerline</code> ... 356, 700	<code>\draftimagefalse</code> .. 47	<code>\headsep</code> 254, 278, 537, 545
	draftimages (option) . 4	<code>\here</code> ..... 5, <a href="#">113</a> , 124
		<code>\hyphenpenalty</code> .... 296

<b>I</b>			753, 754, 756,	\lowercase ..... 173
\ie ..... 5, 149			762, 769, 779,	
\if@appendices . 614,			854, 855, 947, 949	
639, 647, 664, 851	\ifodd ..... 778			<b>M</b>
\if@cochair 214, 338, 372	\ifsc 21, 630, 632, 668,			\m@ne ..... 612, 663
\if@contnumb ..... 31	673, 677, 681,			\m@th ..... 580
\if@copyright .. 28, 352	683, 686, 691, 694			\makebox ..... 553
\if@dedication 225, 400	\ifthesis ..... 14, 53			\maketitle ..... 500
\if@disertation ..	\ifvmode ..... 886			\markboth ..... 548
..... 27, 159, 215	\ignorespaces . 897, 905			\mathsurround ..... 916
\if@draftimage .... 32	\immediate ..... 295			\mbox ..... 952, 958
\if@fileswh ..... 295	\indent ..... 236			\mkern ..... 581
\if@gsmodern 29, 285,	\interests ..... 9, 246			\month ..... 157
561, 595, 715,	\invacuo ..... 146			msthesis (option) .... 4
733, 790, 840, 844	\it ..... 743, 754, 935			
\if@inlabel ..... 888	\item ..... 904, 932			<b>N</b>
\if@nobreak ... 707, 887	\itemindent ... 822, 903			\narrowauthor ..... 209
\if@noskipsec . 703, 889	\itemize .. 921, 924, 925			\narrowdepartment 8, 211
\if@numsections ...		<b>J</b>		\needref ... 5, 116, 125
..... 30, 288,	justified (option) ... 4			\newblock ..... 826
598, 719, 739, 799	\justifiedtrue .... 45			\newcount ..... 852
\if@pagesspecial ..		<b>L</b>		\newcounter ..... 107, 116, 134, 284
. 937, 944, 948, 956				\newenvironment 154, 930
\if@twocolumn . 682, 690				\newlength ..... 237
\ifamstex ..... 24, 89	\l@chapter ..... 590			\newline ..... 131
\ifbound . 26, 56, 66,	\l@figure ..... 606			\newpage ..... 302
255, 356, 357, 521	\l@section . 596, 599, 602			\newskip ..... 871
\ifchem .... 25, 86, 133	\l@table ..... 607			\nointerlineskip .. 281
\ifcommitteedraft ..	\label ..... 139, 141			\normalcolor ..... 586
16, 62, 103, 180,	\labelitemi ..... 917			\normalfont ..... 585
387, 404, 416, 505	\labelitemii .. 917, 918			\normalsize ... 155, 156
\ifdim ..... 407,	\labelitemiii . 918, 919			\normalspace ..... 154
706, 732, 776, 897	\labelitemiv ..... 919			\null ..... 577, 911
\ifdraft ... 19, 95, 314	\labelsep ..... 850			\number ..... 662, 671
\ifdraftcopy .....	\labelwidth ..... 822			\number@appendix 671, 853
... 15, 63, 102,	\large 155, 156, 481, 483			\numberline .....
106, 160, 166,	\lastpenalty ..... 881			. 562, 564, 677,
174, 182, 304, 501	\lastskip ..... 876			764, 771, 858, 861
\ifdraftimage ..... 18	latedraft (option) ... 4			numsections (option) . 4
\IfFileExists . 469, 470	\latedraftfalse ... 48			
\iffinal ..... 20, 65	\latedrafttrue .... 38			<b>O</b>
\ifhmode ..... 878	\LaTeX ..... 204			\oddsidemargin 256, 264
\ifjustified ... 23,	\leaders ..... 580			options:
128, 379, 390, 517	\leavevmode ... 575, 703			amstex ..... 4
\iflatedraft .....	\leftmargin .....			bound ..... 5
... 17, 61, 104,	. 823, 902, 903, 931			chemistry ..... 4
181, 392, 423, 502	\leftskip . 570, 577, 578			committeedraft .. 4
\iflipsum ..... 22, 92	\linenumbers .. 304, 478			connumbering ... 4
\ifmmode ..... 874, 885	\lipsum ..... 92			copyright ..... 4
\ifnum . 567, 612, 615,	\lipsumtrue ..... 49			dissertation .... 4
616, 648, 649,	\list ..... 821, 902, 931			draftcopy ..... 4
663, 665, 669,	\listfiles ..... 13			draftimages ..... 4
723, 728, 742,	\listoftodos ..... 510			final ..... 4
743, 745, 746,	\LoadClass ..... 71			gsmodern ..... 4

justified . . . . .	4	\reaction . . . . .	<a href="#">133</a>	\textcolor . . . . .	
latedraft . . . . .	4	\reactiontag <a href="#">137</a> , <a href="#">139</a> , <a href="#">141</a>		. <a href="#">112</a> , <a href="#">113</a> , <a href="#">121</a> ,	
msthesis . . . . .	4	\refstepcounter . . .		<a href="#">180</a> , <a href="#">181</a> , <a href="#">182</a> ,	
numsections . . . . .	4	. <a href="#">137</a> , <a href="#">716</a> , <a href="#">720</a> , <a href="#">728</a>		<a href="#">184</a> , <a href="#">189</a> , <a href="#">395</a> , <a href="#">425</a>	
smallcaps . . . . .	5	\removelastskip . . .	<a href="#">881</a>	\textheight <a href="#">252</a> , <a href="#">535</a> , <a href="#">543</a>	
<b>P</b>					
\p@ . . . . .	<a href="#">569</a>	\renewenvironment . .	<a href="#">934</a>	\textit . . . . .	<a href="#">850</a>
\pagebreak . <a href="#">591</a> , <a href="#">651</a> , <a href="#">656</a>		\rightmargin . .	<a href="#">902</a> , <a href="#">931</a>	\textsc <a href="#">630</a> , <a href="#">632</a> , <a href="#">668</a> ,	
\pagenumbering . . . .		\rightskip . . . .	<a href="#">570</a> , <a href="#">571</a>	<a href="#">673</a> , <a href="#">677</a> , <a href="#">681</a> ,	
. . . . <a href="#">457</a> , <a href="#">509</a> , <a href="#">518</a>		\rm . . . . .	<a href="#">522</a> , <a href="#">524</a>	<a href="#">683</a> , <a href="#">686</a> , <a href="#">691</a> , <a href="#">694</a>	
\pageref <a href="#">945</a> , <a href="#">946</a> , <a href="#">952</a> , <a href="#">958</a>		\Roman . . . .	<a href="#">625</a> , <a href="#">644</a> , <a href="#">677</a>	\textwidth . . . . .	
\pages . . . . .	<a href="#">960</a>	\rule . . . . .	<a href="#">230</a>	. <a href="#">197</a> , <a href="#">258</a> , <a href="#">266</a> ,	
\pagesref . . . .	<a href="#">937</a> , <a href="#">960</a>	<b>S</b>			
\pagestyle . <a href="#">361</a> , <a href="#">467</a> ,		\sc . . . . .	<a href="#">175</a>	\the . . . . .	<a href="#">157</a>
<a href="#">516</a> , <a href="#">556</a> , <a href="#">558</a> , <a href="#">560</a>		\school . . . . .	<a href="#">9</a> , <a href="#">244</a>	\thebibliography . .	<a href="#">820</a>
\parbox <a href="#">189</a> , <a href="#">197</a> , <a href="#">236</a> , <a href="#">371</a>		\schools . . . . .	<a href="#">244</a>	\thedegreeyear . <a href="#">223</a> ,	
\parfillskip . .	<a href="#">571</a> , <a href="#">912</a>	\scriptsize . . .	<a href="#">109</a> , <a href="#">119</a>	<a href="#">322</a> , <a href="#">349</a> , <a href="#">356</a> , <a href="#">369</a>	
\parindent . <a href="#">238</a> , <a href="#">261</a> ,		\sctrue . . . . .	<a href="#">44</a>	\theequation <a href="#">797</a> , <a href="#">806</a> , <a href="#">847</a>	
<a href="#">269</a> , <a href="#">572</a> , <a href="#">822</a> , <a href="#">823</a>		\secdef . . . . .	<a href="#">636</a> , <a href="#">699</a>	\thefigure . . . . .	<a href="#">836</a>
\parskip . . . .	<a href="#">231</a> , <a href="#">448</a>	\section . . . . .	<a href="#">790</a>	\thepage . . . .	<a href="#">522</a> , <a href="#">524</a>
\PassOptionsToClass		\setbox . . . . .	<a href="#">702</a>	\thereaction . .	<a href="#">135</a> , <a href="#">137</a>
. . . . .	<a href="#">61</a> ,	\setcounter . . . . .		\thesection <a href="#">792</a> , <a href="#">794</a> , <a href="#">801</a>	
<a href="#">62</a> , <a href="#">63</a> , <a href="#">64</a> , <a href="#">67</a> , <a href="#">69</a>		. <a href="#">283</a> , <a href="#">286</a> , <a href="#">289</a> ,		\thesistruer . . . .	<a href="#">33</a> , <a href="#">34</a>
\PassOptionsToPackage		<a href="#">291</a> , <a href="#">292</a> , <a href="#">519</a> , <a href="#">865</a>		\thesubsection . . . .	
. . . . .	<a href="#">35</a> , <a href="#">51</a>	\setlength . . .	<a href="#">84</a> , <a href="#">85</a> ,	. . . .	<a href="#">794</a> , <a href="#">796</a> , <a href="#">803</a>
\penalty . . . .	<a href="#">887</a> , <a href="#">911</a>	<a href="#">187</a> , <a href="#">188</a> , <a href="#">238</a> , <a href="#">405</a>		\thesubsubsection . .	
\position . . . .	<a href="#">9</a> , <a href="#">247</a>	\setstretch <a href="#">155</a> , <a href="#">156</a> , <a href="#">250</a>		. . . . .	<a href="#">796</a> , <a href="#">805</a>
\prevdepth . . . .	<a href="#">881</a> , <a href="#">894</a>	\settowidth . . . . .	<a href="#">403</a>	\thetable . <a href="#">838</a> , <a href="#">839</a> , <a href="#">846</a>	
\ProcessOptions . . .	<a href="#">52</a>	\SetWatermarkAngle .	<a href="#">97</a>	\tiny . . . . .	<a href="#">199</a>
\protected@edef <a href="#">640</a> , <a href="#">643</a>		\SetWatermarkFontSize		\today . . . . .	<a href="#">158</a>
\ProvidesClass . . . .	<a href="#">2</a>	. . . . .	<a href="#">99</a>	\todo . . . .	<a href="#">109</a> , <a href="#">113</a> , <a href="#">118</a>
\ps@plain . . . . .	<a href="#">538</a>	\SetWatermarkLightness		\tolerance . . . . .	<a href="#">297</a>
\ps@tocextraheadings		. . . . .	<a href="#">98</a>	\topmargin . <a href="#">262</a> , <a href="#">270</a> , <a href="#">276</a>	
. . . . .	<a href="#">530</a>	\SetWatermarkScale .	<a href="#">100</a>	\two@digits . . . . .	<a href="#">157</a>
\ps@toheadings . . .	<a href="#">525</a>	\SetWatermarkText . .	<a href="#">101</a>	<b>U</b>	
\publication . . . .	<a href="#">9</a> , <a href="#">249</a>	\sfcode . . . . .	<a href="#">829</a>	\undefined . . . . .	<a href="#">869</a>
\publications . . . .	<a href="#">249</a>	\sigline, \Sigline .	<a href="#">230</a>	\underline . . . .	<a href="#">702</a> , <a href="#">904</a>
<b>Q</b>					
\qedbox . . . . .	<a href="#">916</a> , <a href="#">916</a>	\singlespace <a href="#">156</a> , <a href="#">573</a> , <a href="#">935</a>		\unskip . . . . .	<a href="#">910</a>
\qedsymbol . . . . .	<a href="#">912</a>	\singlespacing <a href="#">309</a> , <a href="#">833</a>		\usecounter . . . . .	<a href="#">825</a>
\quad . . . .	<a href="#">436</a> , <a href="#">437</a> , <a href="#">438</a>	\sloppy . . . . .	<a href="#">827</a>	<b>W</b>	
quote (environment) .	<a href="#">934</a>	\small . . . . .	<a href="#">114</a> , <a href="#">489</a>	\watermark . . . . .	
quote* (environment) <a href="#">930</a>		smallcaps (option) . .	5	. <a href="#">97</a> , <a href="#">102</a> , <a href="#">103</a> , <a href="#">104</a>	
<b>R</b>					
\raggedbottom . . . .	<a href="#">300</a>	\spacefactor . . . . .		\widowpenalty . . . .	<a href="#">298</a>
\RaggedRight <a href="#">379</a> , <a href="#">390</a> , <a href="#">517</a>		. <a href="#">152</a> , <a href="#">153</a> , <a href="#">879</a> , <a href="#">896</a>		<b>X</b>	
\raggedright . .	<a href="#">371</a> , <a href="#">828</a>	\stepcounter <a href="#">109</a> , <a href="#">118</a> , <a href="#">638</a>		\xspace . . . . .	<a href="#">143</a>
\RaggedRightParindent		\string . . . . .	<a href="#">662</a>	<b>Y</b>	
. . . . .	<a href="#">85</a>	\subsection <a href="#">793</a> , <a href="#">802</a> , <a href="#">810</a>		\year . . . . .	<a href="#">157</a>
\RaggedRightRightskip		\subsubsection . . . .		<b>Y</b>	
. . . . .	<a href="#">84</a>	. . . .	<a href="#">795</a> , <a href="#">804</a> , <a href="#">811</a>	<b>Y</b>	
<b>T</b>					
\textbf <a href="#">112</a> , <a href="#">115</a> , <a href="#">121</a> ,		\textbf <a href="#">112</a> , <a href="#">115</a> , <a href="#">121</a> ,		<b>Y</b>	
<a href="#">180</a> , <a href="#">181</a> , <a href="#">182</a> ,		<a href="#">180</a> , <a href="#">181</a> , <a href="#">182</a> ,		<b>Y</b>	
<a href="#">184</a> , <a href="#">190</a> , <a href="#">395</a> , <a href="#">425</a>		<a href="#">184</a> , <a href="#">190</a> , <a href="#">395</a> , <a href="#">425</a>		<b>Y</b>	