WASHINGTON UNIVERSITY IN ST. LOUIS

School of Engineering and Applied Science Department of Computer Science and Engineering

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A MOCK THESIS ON THE PROPER FORMATTING OF THESES AND DISSERTATIONS FOR ENGINEERING-BASED GRAD STUDENTS

bv

Ima Gooden-Reddi

A thesis presented to the School of Engineering of Washington University in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE

May 2009 Saint Louis, Missouri

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Ima Gooden-Reddi

2009

Important Notes Regarding Copyright Option:

Technically, a thesis or dissertation is protected to some degree by copyright laws with or without a student having to register his or her claim to copyright. However, including a copyright page and applying for registration of one's claim to copyright provide extra measures of legal protection from potential copyright infringement. There is a fee connected with explicitly registering to copyright one's work; because of this, many students do not choose to register to copyright their work. Students should check with their advisor(s) and/or seek legal advice to gather further information helpful to making a decision with regards to registering their claim to copyright. If you are not going to register to copyright your work, then you can choose to remove this page from your document. However, if you do choose to explicitly copyright your work, then leave this page in, change the name to your name, change the year to the appropriate year in which your degree will be earned, and remove these notes of informational text. If a student wishes to officially "register" this claim to copyright, then Masters students will need to pursue that effort on their own and can find appropriate options by searching the web; Doctoral students can complete an authorization to apply for registration (i.e., of their claim to copyright the dissertation) by indicating this interest in the appropriate area of the UMI Dissertation Publishing Agreement Form (i.e., on the form which they will submit along with their final dissertation material) available from the Engineering Student Services web site.

Important Notes Regarding Page Numbering and Margins:

If you decide to include this copyright page in your final document, do not count the page among your counted pages, and do not display any page number on the page. Every sheet of paper in the manuscript should be numbered except for two: the title page and this optional copyright page. Specifically, the front textual information (which comes before your main thesis/dissertation body of text) is numbered with Roman numerals, and your main body of text begins with Arabic numbers. Since the title page is counted but not numbered, roman numeral "ii" is always the first number used and appears on the page AFTER the title page (AND AFTER the copyright page, IF included)---as shown in this sample template document. Page numerals should always display centered, just above the 1" bottom margin. The left margin should be 1.5 inches, with a 1 inch margin at top, bottom, and right. The left margin is extra-wide in order to accommodate the binding process. When typing the manuscript, stay well within these margin guides. Lastly, remember to update your table of contents such that the page numerals referenced there will match the page numbers on the bottom of the pages to which they make reference in your document. This is necessary to do manually because, unfortunately, the page numbering within this template's table of contents is not automatically linked to the pages of the body of text. This is further documented, along with some "work arounds", in the appendix to this guide called "Special Notes for MS WORD Users". LaTex users may have to invent other solutions with regards to synchronizing table of contents page references with actual document page numbers. This guide merely provides a helpful starting point. **REMINDER:** When you remove these comments, be sure to leave the copyright information centered both vertically and horizontally on the page.

ABSTRACT OF THE THESIS

A Mock Thesis on the Proper Formatting of Theses and Dissertations for Engineering-based Grad Students

by

Ima Gooden-Reddi

Master of Science in Computer Science

Washington University in St. Louis, 2009

Research Advisor: Professor Katherine Doe

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advisor's full name wherever appropriate, and be certain to use the correct title of your degree whenever referencing it. The title of your degree will not always be the same as the title of your department or program, so please check with your departmental administrative assistant and advisor(s) to be sure you are using the correct degree title. Questions you may have about preparing your theses or dissertations are always welcomed at the Office of Engineering Student Services.

Note for Ph.D. Students: The formatting contained within this sample document can serve well in emulating the basic formatting needed for the Ph.D. dissertation. However, please remember that all Ph.D. students are ultimately responsible for meeting the Graduate School of Arts & Sciences' formatting guidelines. The GSAS thesis and dissertation guidelines are published on the Graduate School web site located with other documentation for GSAS policies and guides. Be sure to read all of the above notes/reminders on what needs to be updated as shown in this template document's title, copyright, and abstract pages. Ph.D. students will submit final dissertations and all materials to the Office of Graduate School of Arts and Sciences, and any questions about their dissertations should also be directed to that office.

Acknowledgments

An acknowledgments page should be included in your final thesis or dissertation. In the

final copy, it should be placed immediately before the table of contents. If you wish to

include a special dedication, then you may use the dedication to close the acknowledgments

page or place it on the page that immediately follows the acknowledgments page.

It is appropriate to acknowledge sources of academic and financial support; some

fellowships and grants require acknowledgment. Consequently, I would like to thank the

Dean for having the foresight and vision necessary to understand the importance of funding

the development of this sample thesis/dissertation template.

A special thanks goes to the many graduate students and distinguished faculty within my

department who have reviewed this thesis and helped support the related research.

Ima Gooden-Reddi

Washington University in St. Louis

May 2009

Reminders of what needs to be updated: After removing these comments, use the above format to

help input your acknowledgments page. A special dedication can be placed as the final paragraph, as shown

above; alternatively, you may include a special dedication on the page that follows, as also shown in this sample

template.

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Dedicated to my parents.

Note: You may include a special dedication as shown here. If you include this page, be sure to keep it brief and center it on the page both horizontally and vertically. Alternatively, you may remove this page altogether, and a special dedication can be placed as the final paragraph to your acknowledgments page (as shown in this document on the preceeding page).

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List of Figures

Preface

This guide contains the School of Engineering's rules for formatting theses and dissertations. Departments, advisors, and committees may impose additional rules. In the past, students were required to study a similar (but much longer) set of rules and apply them to their theses. The Association of Graduate Engineering Students (i.e., AGES) has helped to prepare templates and style files that simplify thesis preparation. These files have been set up to produce acceptably formatted theses and dissertations using several popular word processing and text formatting programs. There should be one available in Microsoft WORD and another in LaTex. Students can retrieve these files and their accompanying instructions from the Engineering Student Services' main web page. Check with Engineering Student Servcies (Lopata Hall, Room 303) if you have any questions. Students who create their own templates or style files are invited to submit these files for future use by others.

This guide you are now reading can be downloaded (in either MS WORD formatted version or a Latex version) and can be utilized as a template for formatting your own theses. In short, the margin settings, pagination, table of contents logic, etc. are already established in the downloadable versions. You can simply replace the text within the template with your own text, thereby saving you much setup time.

NOTE: This preface page is optional. A preface page is usually used to explain further details surrounding the background and motivation for the work. You can remove it completely, but then be sure the reference to this page is also removed from the Table of Contents. The majority of students do not include a preface page.

¹ Throughout this guide, the word thesis refers to both theses and dissertations.

Chapter 1

Thesis Format

The following guidelines offer you some degree of flexibility in formatting your thesis. Options are summarized in Table 1.1. Whatever options you choose to use, you must use them consistently throughout document.

1.1 Margins

Your <u>printed output</u> must reflect a <u>physically measurable</u> left margin of at least 1.5 inches, with top, bottom, and right margins measurable at 1 inch. Some systems' settings produce varying results when printing to different printers, so be sure to measure your output. Remember, nothing (not even page numbers) should print in the margins.

1.2 Page Numbers

Number all pages in your thesis <u>except</u> the title page and the optional copyright page which might follow the title page. Number the "front matter" pages (i.e., the pages that come prior to the main body of text, prior to chapter 1) with lowercase Roman numerals, centered immediately above the bottom margin, and starting with the Roman numeral "ii". Number the pages starting with the first page of the first chapter with Arabic numerals, also centered immediately above the bottom margin, and starting with numeral "1".

1.3 Body Text

Use a 10, 11, or 12-point Garamond, Times Roman or Times New Roman font for your thesis text. (The MicroSoft WORD based "template" uses Garamond throughout, and is recommended whenever possible. The LaTex version uses a high quality variation of the Times Roman font. Whichever is used, be consistent throughout your document..) Use 1.5 or double line spacing for most body text. Block quotes should be single spaced. Use either left justification with a ragged right edge, or full justification. Paragraphs may be set in a block style, with no indentation, or they may be indented up to 0.5 inch. Skip a line between paragraphs.

1.4 Titles and Headings

Titles and headings may be left-justified or centered. Capitalize the first letter of the first word and the first letter of each subsequent major word in a title or heading. Do not capitalize articles, prepositions, and conjunctions that are not the first word of a title or heading. For example, do not capitalize such words as the following: a, an, the, for, to on, or. Formatting specifications for particular types of headings and titles are described below. You may use a plain or bold version of the body text font for all titles and headings.

1.4.1 Chapter Titles

Begin each chapter on a new page. You may start the chapter title below the top margin (1.5 inches from the top edge of the page), or you may leave some space and start the chapter title up to 3 inches from the top edge of the page. There are two options for formatting the chapter title:

- Type the word "Chapter" followed by the chapter number, skip a line, and type the chapter title on the following line; or
- Type the chapter number followed by the chapter title, all on the same line.

You may use a font size of us to 36 points for the chapter title.

1.4.2 Section Headings

You may use a font size of up to 24 points for the section headings. Type the chapter number and section number before the section title.

1.4.3 Subsection Headings

You may use a font size of up to 18 points for subsection headings. Type the chapter number, section number, and subsection number before the subsection title.

1.4.4 Headings for Divisions Smaller than Subsections

Use unnumbered headings for divisions smaller than subsections. You may use a font size of up to 14 points. Headings may be typed above or on the same line as the sections they label. You may use both styles within your thesis.

Run-in Headings To the left is an example of a run-in heading. Notice that it is typed on the same line as the section that it labels. It may be used for divisions smaller than subsections.



1.5 Figures and Tables

Figures and tables must be referenced in the text by number. They must be numbered consecutively throughout each chapter, with the chapter number preceding each figure or table number. For example, the third figure in chapter 1 would be labeled Figure 1.3. You may either:

- Maintain one numbering sequence for figures and another for tables, and label figures with the word "Figure" and tables with the word "Table"; or
- Label both figures and tables with the word "Figure" and maintain one numbering sequence.

Place figures and tables as close to their reference in the text as possible. Place a figure number and title below each figure (or table labeled as a figure). Place a table number and title above each table labeled as a table. In figures and tables, avoid using color and avoid text smaller than 10 points. Do not let figures or tables spill out into the margins. Figure 1.1 is an example figure.

1.6 Lists

You may include lettered, numbered, or bulleted lists in your thesis. Use consistent punctuation and capitalization throughout each list. Lists may be indented.

1.7 Footnotes and Endnotes

You may use footnotes or endnotes for brief notes that are not appropriate for the body of the text. Use either footnotes or endnotes consistently throughout your thesis. Position footnotes in 10 point type just above the bottom margin and page number. Use a short horizontal rule to separate footnotes from the text. Position endnotes at the end of each chapter. Type endnotes using the same font size and justification as the

body text. Single space within each footnote or endnote; double-space between footnotes or endnotes. Footnotes and endnotes should be consecutively number.

1.8 Quotations

You must use quotation marks and parenthetical references to indicate words that are not your own. Put quotation marks around short quotes. Put long quotes in separate single-spaced paragraphs, indented up to 1 inch from the left margin (these are called block quotations). Kate Turabian, editor of official publications and dissertation secretary at the University of Chicago for over 25 years, distinguishes short and long quotes as follows:

Short, direct prose quotations should be incorporated into the text of the paper and enclosed in double quotation marks: "One small step fro man; on giant leap for mankind." But in general a prose quotation of two or more sentences which at the same time runs to four or more lines of text in a paper should be set off from the text and indented in its entirety...[8]

1.9 Equations

Equations may be set in-line with the text or numbered and placed in separate paragraphs. Use the same numbering style for equations as you would for figures and tables. Here is an example of an equation set in-line with a paragraph: $E = mc^2$. Here is an example equation placed in a separate paragraph:

$$E = mc^2 \tag{1.1}$$

Equation numbering and formatting should follow the usual convention of your discipline and be acceptable to your thesis committee.

Table 1.1 Thesis Formatting Options

Thesis Element	Formatting Options
title page font	12-point or 14-point Garamond, Times or Roman
table of contents chapter title	bold or plain
font	
first-level table of contents	0 to 0.5 inch
indentation	
second-level table of contents	0 to 1.0 inch
indentation	
body text font	10, 11, or 12-point Garamond, Times or Roman
body text line spacing	1.5 or 2
body text justification	left or full
paragraph indentation	0 to 0.5 inch
chapter title position	1.5 to 3 inches below top edge of page
chapter title style	heading preceded by the work "Chapter" and the chapter
1	number or, heading preceded only by the chapter number
chapter title	10-pt to 36-pt font, centered or left-justified, plain or bold
section heading	10-pt to 36-pt font, centered or left-justified, plain or bold
subsection heading	10-pt to 36-pt font, centered or left-justified, plain or bold
unnumbered headings	10-pt to 36-pt font, centered or left-justified, plain or bold
table labels	label tables as "Table" or "Figure"
Parenthetical reference style	author-date system, numbered, or another style acceptable
	to your commit
Reference list style	any style acceptable to your committee

Chapter 2

Parts of the Thesis

This chapter describes the components of a thesis. You need not include all components described here, but you must follow the prescribed order for the components you do include. Table 2.1 lists the required and optional components in the order that they should appear. Your thesis should include three main parts: the front matter, the text, and the back matter. Each of these parts is described below.

2.1 Front Matter

The front matter includes all material that appears before the beginning of the main text. Number all "front matter" pages (except the title page and the optional copyright page) with lower-case roman numerals, centered just above the bottom margin. Each of the following sections should begin on a new page.

2.1.1 Title Page

Format the title page precisely as the title page to this document is formatted: include a 1.5-inch left margin, a 1-inch top margin, a 1-inch right margin, and a 1-inch bottom margin. Use a 12- or 14-point regular Garamond, Times or Roman font on this page. If you are writing a dissertation, substitute the word "dissertation" wherever the word "thesis" appears in this document. The date on the title page should reflect the month and year the degree will be awarded and should be one of the following months: December, May, or August. Do <u>not</u> number the title page.

Table 2.1 Required and Optional Thesis Components

Major Part	Thesis Component	Required	Optional
Front Matter	Title Page	•	
	Abstract Page	•	
	Copyright Page		•
	Dedication		•
	Table of Contents	•	
	List of Tables	(Reqrd if used)	
	List of Figures	(Reqrd if used)	
	List of Abbreviations		•
	Glossary of Nomenclature		•
	Acknowledgments		•
	Preface		•
Text	Chapters		•
Back Matter	Appendices		•
	References	•	
	Vita	•	
	Short Title Page	•	_

2.1.2 Copyright Page

Include a copyright page if you plan to copyright your thesis. If used, the copyright page must be unnumbered, immediately following the title page. It should include three lines, centered on the page with regular body text font and spacing. The 1st line should be "copyright by", the 2nd line should contain your full name. The 3rd line should contain the year the degree is to be awarded. Do <u>not</u> number the copyright page. If you are an Master's candidate and would like to register your claim to copyright your thesis, you must make all arrangements independently. Doctoral students will complete a publishing agreement form which will give them a copyright registration option.

2.1.3 Abstract Page

The abstract must be 350 words or fewer. Format the abstract page precisely as done in this document. The abstract page always begins the document's page numbering at "ii".

2.1.4 Acknowledgments

An acknowledgments section should be included. Use it to thank those who supported your research through contributions of time, money, or other resources. Type the word "Acknowledgments" in chapter title style at the top of page. If the acknowledgments fill more than one page, put the heading only on the first page. Number the page with a Roman numeral, centered at bottom, sequentially following the abstract page(s) Roman numeral(s).

2.1.5 Dedication

The dedication page is optional. If you decide to include a separate dedication page, make it short and center it on the page. If included, you should number it, placing the next logical/sequential Roman numeral at bottom of page, centered, as shown in this sample document.

2.1.6 Table of Contents

The table of contents must include the page numbers of all chapters and sections of your thesis. In addition, it may include the page numbers of all subsections. It must also include the page numbers of all front and back matter elements, unless otherwise specified. Chapter titles should appear flush left, section headings may be indented up to 0.5 inch, and subsection headings may be indented up to 1 inch. Chapter titles may be typed in plain or bold font. All titles and headings must be followed by a dot leader and a page number. The word "Contents" must appear in chapter title style at the top of the page. Be sure to align multi-lined chapter titles in the table of contents. For example, when a table of contents' chapter or section title extends to a second line, be sure that the 1st character of the 2nd line aligns immediately under the 1st character of the title/chapter/section name on the line above it (i.e., as done in this sample document's table of contents, and as specifically illustrated in the "list of tables" page for table 2.1). Make certain, too, that these long titles also align nicely within the body of text, where

multi-lined chapter titles or section titles should still break at a logical point and align in a manner allowing the titles to be read clearly without confusion. Sometimes, for long chapter or section titles, this will mean forcing a line break at a logical point. This cannot be automated, but relies on your own good judgment. A good example of a multi-lined title can be found at the top of Appendix A; notice how the two lines are deliberately divided helping each phrase to be read easily and fluidly.

2.1.7 List of Tables

Include a list of tables only if your thesis actually contains tables. Format the list of tables the same way the table of contents is formatted, but put the words "List of Tables" in the heading.

2.1.8 List of Figures

Include a list of figures only if your thesis actually contains figures. Format the list of figures the same way the table of contents is formatted, but put the words "List of Figures" in the heading.

2.1.9 List of Abbreviations

Include a list of abbreviations only if you use abbreviations that are not common in your field. Arrange the list alphabetically. Type the word "List of Abbreviations" in chapter title style at the top of the page.

2.1.10 Glossary or Nomenclature

Include a glossary or nomenclature section only if you thesis contains technical words that are not commonly in your field. Type the word "Glossary" or "Nomenclature" in

chapter title style at the top of the page. The glossary or nomenclature section should consist of an alphabetized list of words and their definitions.

2.1.11 Preface

A preface is optional. If you include a preface, use it to explain the motivation behind your work. Format the preface the same way the acknowledgments section is formatted, but use the word "Preface" in the heading.

2.2 Text

The text part of the thesis should be divided into numbered chapters, sections, and subsections. Use Arabic numerals for this numbering. Divisions smaller than subsections may be used, but they should not be labeled with numbers. Place Arabic page numbers throughout the body of text centered just above the bottom margin.

2.3 Back Matter

Throughout the back matter, use the same Arabic page number formatting as used in the body of text section.

2.3.1 Appendices

Appendices may be used for including reference material that is too lengthy or inappropriate for the thesis text. If one appendix is included, an appendix title is optional. If more than one appendix is included, each one should be titled and lettered. In general, appendices should be formatted like chapters. However, they may be single spaced or include photocopied material. If photocopied material is used, you must add page numbers at the bottom, putting those page numbers in square brackets to indicate that they are not part of the original document.

2.3.2 References

The reference section should follow the final appendix (or the conclusion of the text if there are no appendices). Type the word "References" in chapter title format at the top of the page. Single space within references and double space between them. More information on formatting references is included in Chapter 3.

2.3.3 Vita

Your vita should include your name, relevant academic and professional achievements, and current month and year. It may also include your date and place of birth, publications, and professional society memberships. Your vita should be the last page of your thesis.

2.3.4 Short Title Page

The short title page should be prepared as directed in Appendix B.

Chapter 3

Citing References

In the Reference section at the end of your thesis, list references cited using the style recommended in *The Chicago Manual of Style* [9] or another style acceptable to your committee. Insert parenthetical references where the reference material is referred to in the text. This chapter explains how to format references according to *The Chicago Manual of Style*. If you use a different style, you should obtain the appropriate style rules. For example, most journals periodically print instructions for authors that include reference style rules.

3.1 Parenthetical References

References should be cited at the position in the text where they are noted. *The Chicago Manual of Style* [9] recommends two systems for citation. You may use either of these systems or an alternative system acceptable to your committee.

3.1.1 Author-Date System

In this system, the last name of the author and the year of publication appear in parentheses following the quoted text. If the reference is alphabetized in the References section by its editor, publisher, or organization, then the name it is alphabetized under is used in place of the author. Some examples follow:

- Single author: (Smith 1993)
- Two authors: (Jones and Yang 1991)

- Three authors: (Jones, Smith, and Yang 1984)
- Four or more authors: (Johnson et al. 1994)
- Organization as author: (Association for Computing Machinery 1989)
- Two works referenced in on sentence: (Black 1994; Smith 1993)

3.1.2 Numbered References

In this system, the reference number appears in square brackets following the quoted text. This system is used throughout this document.

3.2 Reference List

References should be listed in alphabetical order by the last name of the first author (or organization or publisher, if no author is given). If the numbered reference style is used, the reference list should obviously be numbered as well. Several example references are listed in this document's reference list. Most of these references are taken from *A Manual for Writers of Term Papers, Theses, and Dissertations* [8].

Appendix A

The English Language and Other Confusing Things

While this guide answers most questions about how to format a thesis, it does not address questions about English grammar, use of abbreviations, punctuation, spelling, and other confusing subjects. Students should obtain a dictionary and a style of grammar book to refer to as questions arise. The dictionary is important because most electronic spelling checkers are not complete and do not contain definitions. (You may also need to refer to some of the references you cite for the spelling of technical terms.) The grammar or style book is useful for checking grammar and punctuation rules. A good style manual contains information about correct English usage as well as advice for preparing a manuscript. A Manual for Writers of Term Paper, Theses, and Dissertations [8] is one such concise and inexpensive manual based on the lengthy and more expensive Chicago Manual of Style [9].

The following rules will help you avoid three mistakes frequently made by students:

- Hyphenated words must begin and end on the same page.
- When a page break falls in the middle of a paragraph, at least two lines of text from that paragraph must appear on the second page.
- At least one line of text from a section or subsection must appear on the same page as the title of that section or subsection.

Appendix B

Procedures and Deadlines

Deadlines At least one semester prior to the semester in which you believe you will complete all requirements for your degree, please be sure to consult with your department's graduate administrative assistant or coordinator to be sure you are aware of all requirements and deadlines with regards to your thesis and the submission of your thesis. Deadlines are printed in the course listings schedule book and are posted online. If you cannot make certain deadlines, you may have to postpone your graduation accordingly. M.S. and D.Sc. students have a special deadline by which they must submit an initial draft of their thesis so that it can be reviewed for formatting, to make sure it conforms to the essential formatting requirements, as illustrated in this sample guide. Ph.D. students must follow the requirements of the Office of Graduate Students in Arts and Sciences (GSAS). The GSAS office does not have an special formatting deadlines, but you should still contact that office if you have questions about your formatting.

Oral Examination Each member of the oral examining committee must be given a copy of the thesis or dissertation, in final form, in sufficient time to study it before the oral examination. Members of the examining committee have the right to request rescheduling of the examination if these copies are not made available to them at least one week in advance of the scheduled examination date. Copier paper may be used for these preliminary copies.

Final Copies After the oral defense, final copies of the thesis or dissertation approved by the examination committee and department are to be distributed as follows, on or before the date stated in the current academic calendar. All final copies

must be printed using only one side on high-quality (either watermarked or specifying as having 10-25% cotton), 8.5 x 11 inch white paper, and minimum 20-pound weight. Students should submit their final materials to the office(s) listed in the first item below, plus all other materials itemized below should be submitted accordingly, if needed:

- Four copies of the thesis or dissertation need to be submitted as follows: Each should be placed in a separate manila envelope with a copy of the title page securely attached. One of these two will be retained in the Washington University library; another will be sent back to you after being professionally bound; the other two copies are for your advisor and department. Two copies (along with the following listed materials) get delivered to Engineering Student Services. Two copies get delivered to your department (also with the short title page included as listed immediately below---although, none of the other additional items listed further below are needed for the department copies). **NOTE FOR PH.D. STUDENTS:** All four copies get delivered to the GSAS Office. See GSAS dissertation guidelines from their web site.
- <u>a loose sheet containing</u> (1) a <u>short title</u> of 35 letters or less (including spaces), (2) the author's last name, (3) the degree, and (4) the year of its award, centered on the page and punctuated as in the example.² This short title sheet is to be placed at end of your thesis/dissertation.
- one <u>extra</u> loose copy of the <u>abstract</u> (this applies to doctoral students only), <u>double</u> <u>spaced</u>, for publication in Dissertation Abstracts.
- one extra loose copy of the title page (this applies to doctoral students only) for the microfilming contract.
- the <u>original</u> and a photocopy of the <u>University Microfilms Inc.</u> publishing agreement <u>contract</u> (this applies to doctoral students only). This contract is available from the Engineering Student Services web site. If a registration to your claim to copyright is desired, attach a certified check, cashier's check, or money order for the current price listed in the University Microfilms contract. Personal checks are not accepted. The microfilming contracts are available in Lopata 324. The check or money order should not have an expiration date.

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² See the sample short title page for this document

Four copies in all are to be submitted, as per details listed above. See the first bulleted item for full details. Please follow instructions carefully. Contact Engineering Student Services if you have questions. Ph.D. students may contact the Graduate School of Arts and Sciences.

Appendix C

Thesis Format Checklist

NOTE: If you have significantly varied formatting from that which is shown in this document, please complete this form and submit it to Engineering Student Servcies when you submit your thesis for format review.

Author's Name:					_
Title page font:		_ 12 pt	_14 p		
Table of Contents chapter title font:				_ plain	bold
First level table of content	es indentation (0 to	0.5 inch):			
Second level table of conte	ents indentation (0	to 1 inch):			
Body text font:	10 pt	_11 pt		12 point	
Body text line spacing:	1.5	_2			
Body text justification:	left	full			
Paragraph indentation (0 t	o 0.5 inch):	-			
Chapter title position (1.5	to 3 inches below	top edge):		_	
Chapter title style: with word "Chapter"				_ without wo:	rd
Chapter title:	(10 to 36 pt)	plain		_ bold	
	centered			_ left justified	
Section heading	(10 to 24 pt)	plain		_ bold	
	centered	left jus	tified		
Subsection heading	(10 to 18 pt)	plain		_ bold	
	centered	left jus	tified		
Unnumbered heading	(10 to 14 pt)	plain		_ bold	
	centered	left jus	tified		
Label tables as:	Table	Figure			
Reference list style (parent	thetical, etc):				

Appendix D

Special Notes for MS WORD Users

It is recommended that you use this document file as a template for your thesis since it greatly simplifies conforming to the required formatting standards. (Alternatively, if you know LaTex, you may use a LaTex version of this same file. Look for these files on Engineeirng Student Services' web site, under graduate forms and downloadable files. In the LaTex version, Appendix D should have special instructions for working with the template when using LaTex commands.) Before beginning, save a copy of this WORD template document, so you always have it as a good reference---as the textual information within this document are, in fact, the actual rules and guidelines on how you should format and submit your thesis. If you wish to make any variations in the formatting of your thesis, always be sure to check this original reference material for the precise rules and to see what variations are permitted. After saving this document for reference, then make a copy of it and begin using it as a template for your thesis. You should be able to simply replace the text within the WORD template with your own thesis text. The margins and other basic settings should automatically be set to the standards needed. However, as you work with the document, and as you introduce your own text, be reminded of the following important suggestions:

• Remember to use the "Heading" styles - From within WORD you need to find the option to display this template document's "styles". You can then select either "Heading 1", "Heading 2", or "Heading 3" to turn on the "style" and formatting to use for Chapter Headings, Section Headings, and Subsection Heading styles respectively. Heading 1 is the largest, then Heading 2, and Heading 3 the smallest. Special Tip: Make sure there is always ONE blank line (and make sure it is "set" in the "Heading 1" style itself!) preceding your first

line of actual text that is formatted using the "Heading 1" style---at the top of each page using this style. This will assure proper placement on the page. When in doubt, simply examine and follow the examples provided in this original WORD template. WARNING: Be careful when applying "styles". If you accidentally click on a new style while your cursor is sitting on some text within the document, then that text can automatically switch to the other unexpected style, producing surprising results. If ever you click on something and it produces unwanted "surprises", remember to use CTRL Z to undo the accident.

Table of Contents and other lists - These lists are included in this template for your convenience, and they have been set up to illustrate to you the proper formatting. Your Table of Contents must, then, look like that found in this template in terms of style and formatting. However, the Table of Contents and other reference lists may not yet be fully automated; consequently, you may need to manually update your Table of Contents page after you establish all of your specific Chapters, Sections, and Subsection headings. Any students developing and further automating this template are welcome to share with us their findings. We welcome and thank you for your input! However, a quick solution to your problem (i.e. IF the table of contents is NOT automatically getting regenerated for you in the WORD template) is to make a temporary copy of your file when you are near completion, and use that copy to generate a temporary Table of Contents for you in another temporary document file---just so you can instantly see what pages each chapter is located on or assigned to. You can then look at the quickly generated Table of Contents listing and use that information to key in the correct page numbers onto your more properly formatted version found in the WORD template. The reason you may have to do this in this "ugly" manner is because the quickly generated TOC will likely <u>not</u> be formatted correctly to the standard specifications; hence, this workaround, being quick, is the next best solution. To generate the Table of Contents quickly, first be sure you have Headings 1, 2, and 3 utilized for your Chapters, Sections, and Subsections' headings throughout the document; then,

when all done, go back to where your TOC is located (or anywhere in the document, if you're doing this only in a temporary file) and then spend some time learning WORD's latest version's features for TOC generation in order to see if something useful in TOC generation is worth pursuing. We regret not being able to provide more specific help at this time; consequently, doing your TOC manually may be the best reasonable solution.

- Font used This template utilizes the elegant font called Garmond, a font previously designated by the central University Publications Office as a preferred font used for many of the special publications materials at Washington University. Times Roman can also be used, though, if your computer or printer has problems with the Garmond font. However, do NOT mix fonts within one thesis or dissertation. Always be consistent.
- Be consistent in vertical positioning of your headers Always be consistent in the manner in which you leave "white space" above/before and below/after your chapter and section/subsection headings. If you make the space above and below a heading on one page look a certain way, then use that same technique or "look" on all the other pages that also use that same level of heading. This template is set up to present to you things in a consistent manner; however, as you replace the templates text with your own, it could be easy to accidentally insert extra "returns" or "line breaks". Be careful.
- Always strive for consistency If you format an element one way on one page, then that same element, elsewhere in the document, should be implemented and formatted in the same fashion.
- You can use the Show/Hide Icon If you are having trouble identifying special characters within your document, like line breaks, paragraph marks, tab characters, etc. then remember you can click on the Paragraph Icon (i.e. the Show/Hide Icon) in the toolbar. This helps you find problems within the text.

References

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Publications Student, I. D. (2005). MS Word document class for Henry

Edwin Sever Graduate School, The WORD J. 10(4): 323-336.

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J. 42(7): 100-101.

May 2009

Note: Use month and year in which your degree will be conferred.

The Proper Format of Theses, Student's_Last_Name, M.S. 2009

NOTE: This is a sample of a "short title" page. Please change the line above to use an appropriate "short title" for your thesis, insert your last name, and include your degree and year in which the degree will be earned. Separate elements using commas, as illustrated in the sample above. <u>Your "short title" cannot exceed 35 characters, counting spaces</u>. It does not matter if there is a page number at the bottom of the page. Remove this note when finished.