Manuscript Title

by

First and Last Name

Under the Direction of Committee Chair's Name, MA/Ph.D.

A Thesis/Dissertation Submitted in Partial Fulfillment of the Requirements for the Degree
of

Level and Degree Title

in the College of Arts and Sciences

Georgia State University

Year

ABSTRACT

The abstract paragraph is mandatory. Start the abstract paragraph here. Double-space this paragraph. Limit the abstract of a thesis to 150 words. Limit the abstract of a dissertation to 350 words. "Your abstract will not be accepted if it exceeds the limit by even one word."

INDEX WORDS: Sample keyword, Sample keyword, Sample keyword

Manuscript Title

by

FirstName LastName

Committee Chair: FirstName LastName1

Committee: FirstName LastName2

FirstName LastName3

FirstName LastName4

FirstName LastName5

Electronic Version Approved:

Office of Graduate Services

College of Arts and Sciences

Georgia State University

Month Year

DEDICATION

This page is optional but highly recommended. The dedication is usually for acknowledging family or friends and is typically a matter of politeness.

ACKNOWLEDGMENTS

Again, this page is optional but also highly recommended. You may use this section to express acknowledgement of those who have helped you with this document (your committee members and instructors) and your academic career.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF ABBREVIATIONS

AI	Artificial Intelligence
ML	Machine Learning
API	Application Programming Interface
CNN	Convolutional Neural Network

CHAPTER 1

Introduction

1.1 Your Section Title Here

You should probably introduce some stuff here.

1.1.1 Your Subsection Title Here

You should probably introduce some stuff here.

You should look at the gsudiss.cls file first when you want to change things in how the document is laid out.

You can refer to your other chapters like this: Chapter 2. Since Appendix is not numbered, you can refer to it like this: Appendix.

1.1.1.1 Your Subsubsection Title Here

This is the content for the subsubsection.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor

semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi.

Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetuer.

CHAPTER 2

Example Chapter Title

This is an example chapter with some text. You don't need to name your chapters as "Chapter 1", "Chapter 2", etc. Rather, following the practice of LaTeX, it is better to name and label your chapters descriptively. And the numbering of the chapters will be done automatically when you include them in your `main.tex` file. If you want to include a new chapter in your document, create a `chapter_name.tex` file in the `Chapters` directory and include it in your `main.tex` file using the `\include{./Chapters/chapter_name}` command.

You can include figures, tables, and equations in your chapters. You can also include subfigures and subtables. I selected a few texts in the formatting guidelines and provided some examples below.

2.1 Headings and Subheadings

Graduate Services does not set specific style standards for the format of chapter headings and subheadings except for font size—font size for all headings should be the same as the body of your text (if your text is 12 pt., then your headings must also be 12 pt.). There is a suggested format for heading style in the required templates provided by Graduate Services. Students should refer to the standards set by their department's choice of style manual. Regardless of the formatting style chosen, Graduate Services does require that the style be applied consistently to all headings and subheadings throughout the document.

2.2 Journal Articles Used as Chapters

In some departments, theses or dissertations may include as chapters, articles that have been or will be submitted to scholarly journals. This is an acceptable style; however, you must be listed as an author with clear evidence of your intellectual leadership in the publication. How this is represented varies across disciplines; it may take the form of sole authorship, lead authorship, or corresponding authorship, and the publication may not be included in any other individual's thesis or dissertation, whether at GSU or any other institution. A brief statement should be included at the conclusion of the chapter describing the intellectual leadership and any other research roles played by the student in developing and publishing the research.

In addition, the general formatting requirements listed above also apply to articles used as chapters. You MUST apply a consistent style in your font, headings, subheadings, tables and figures throughout each article used as a chapter, as well as your general introduction and conclusion. Evidence of permission to use articles which have been published or accepted for publication must be included. It is the student's responsibility to secure such copyright releases prior to submitting the thesis/dissertation to Graduate Services. Graduate Services will accept a letter of permission or an e-mail from the publisher. Graduate Services will not accept a thesis or dissertation for the final submission unless all copyright releases are on file (articles that have yet to be submitted or are under review do not need copyright releases.)

2.3 Reference Examples

And as an example of citing things, here is the TEXbook by Knuth in 1986 [1]. See
`bibliography.bib` for adding reference items. Format of the reference entries should be
according to your department or discipline's choice of style manual. That said, you do have
the option to create references or works cited pages for each chapter rather than a large
comprehensive list of references.

2.4 Figures and Tables

Sample Figures and Tables below.

You can have a table like this:

Table 2.1: A simple table

ID	Name	Course
1	John Doe	Mathematics
2	Jane Smith	Physics
3	Mary Johnson	Chemistry

You can also include a wide table like this:

Table 2.2: An example of very large horizontal table

ID	Name	Age	Email	Phone	Major	Grade	Comments
1	John Doe	20	johndoe@example.com	123-456-7890	Mathematics	A	Excellent work
2	Jane Smith	22	janesmith@example.com	234-567-8901	Physics	B	Good understanding
3	Mary Johnson	21	maryjohnson@example.com	345-678-9012	Chemistry	A	Outstanding performance
4	James Brown	23	jamesbrown@example.com	456-789-0123	Biology	C	Needs improvement
5	Patricia Davis	20	patriciadavis@example.com	567-890-1234	English	B	Well done
6	Robert Miller	22	robertmiller@example.com	678-901-2345	History	A	Excellent analysis
7	Jennifer Wilson	21	jenniferwilson@example.com	789-012-3456	Geography	B	Good research
8	Michael Moore	23	michaelmoore@example.com	890-123-4567	Computer Science	A	Great coding skills
9	Linda Taylor	20	lindataylor@example.com	901-234-5678	Art	C	More practice needed
10	William Anderson	22	williamanderson@example.com	012-345-6789	Music	B	Good performance

2.5 Examples and Code Snippets

Here is an example of code snippet:

```
print("Hello World!")

for i in range(10):

        print(i)
```

If you want some example text, here is some:

```
Your example here
```

APPENDIX

This is the appendix! You can actually have a "phantom" section in the appendix like the following and refer to it in your text like this: Appendix.

A section title in the appendix

However, you probably want to use `Appendices.tex` instead of this file if you really have multiple appendices instead of separating phantom sections.

REFERENCES

[1] D.E. Knuth. *The T$_E$Xbook*. Computers & typesetting. Addison-Wesley, 1986.