

My Title

by

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A Dissertation submitted to the School of Graduate Studies in partial fulfillment of
the requirements for the degree of

Ph.D.

Department of Chemistry

Memorial University of Newfoundland

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St. John's

Newfoundland

Abstract

This is my abstract

Acknowledgements

These are my acknowledgements. These can be as brief or as long as you want. At a minimum you need to mention funding sources.

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List of Tables

List of Figures

List of Abbreviations and Symbols

If you don't have a list of abbreviations, then you don't need to include this file and you can comment out the corresponding lines in your main .tex file. For example, if this file just defined a couple of terms such as AFM, then you wouldn't necessarily need this.

If you do have abbreviations to define, then you will probably set them up in a table like this:

E energy

\vec{E} electric field

EFMS Erika

Chapter 1

Introduction

1.1 Notes for using this template

You should only have to edit .tex files. The .cls file sets definitions and calls a bunch of packages. If you have errors with packages and you don't need them, comment them out in the .cls file. If you do need those packages and they are giving errors, then you'll need to install them. This is typically not an issue on ShareLaTeX which seems to have every package imaginable.

When using this for your thesis, please copy your main .tex file to one with new name, such as Merschrod_Thesis.tex (except don't use "Merschrod" unless that's your name).

1.2 Notes for compiling this template

For ShareLaTeX, just hit "Recompile"!

If you are doing this from a command line on your own computer, then you have to compile in stages to get the separate bibliographies. This is easiest done with a script which runs each of these commands in sequence. That can work in DOS (or

whatever the command line is in Windows now), on a Mac, or of course in unix.

1. You need to run `pdflatex` on the main `.tex` file (`MUNThesis.tex`, or whatever you have renamed it to).
2. Then you need to run `bibtex` on each of the individual `.tex` files which you include (to create all of the bibliographies).
3. Finally run `pdflatex` twice.

Of course if you are not changing the content of the `.bib` files, then you don't need to keep running `bibtex`.

1.3 Content of this chapter

The introduction needs to provide motivation and context (literature review) for the entire thesis, tying together the manuscripts which form the thesis. (This example template is assuming that you are using the manuscript format. If not, take a look at the “`Memorial_University_thesis_one_bibliography`” template.)

1.4 Referencing

You will naturally need references to support your statements about motivation and context. [1] Depending on how you organize your references, you may have one massive `.bib` file which you use for all of your papers, or you may have individual `.bib` files for each paper and for your intro. You can call more than one `.bib` file for each chapter as well. For this template I just have one file called `refs.bib`.

Although your papers may have been published in different journals which have different referncing styles, I'd recommend that you use one style for all bibliographies

in this thesis. I'm using unsrt_mod here but that is a very long style. For a more compact style consider using achemso.

1.5 Summary

Finally, you will have some kind of summary section. In Chapter 2 I discuss blah blah. etc.

Bibliography

- [1] Rodolfo Nino-Fong, Laurie A. McDuffee, Blanca P. Esparza Gonzalez, M. Ramesh Kumar, Erika F. Merschrod S., and Kristin M. Poduska. Scaffold Effects on Osteogenic Differentiation of Equine Mesenchymal Stem Cells: An In Vitro Comparative Study. *Macromolecular Bioscience*, 13(3):348–355, 2013.

Co-authorship Statement

From the guidelines from SGS:

“Research in some disciplines, particularly the sciences, is often collaborative and will necessarily involve contributions of several authors. It is expected that a thesis author will have made a major intellectual and practical contribution to all work that is reported in his/her thesis. Principal author status is normally required for use of research papers in a manuscript-format thesis. A clear statement describing the contribution made by the thesis author in each of the general research stages listed below is necessary to assist examiners in reviewing the thesis and, in the case of Doctoral dissertations, conducting the oral defence. The co-authorship statement should specifically address contributions made in i) design and identification of the research proposal, ii) practical aspects of the research, iii) data analysis, and iv) manuscript preparation.”

Chapter 2

Chapter title*

Here's where you can put in your first paper. [1] Then you'll have another chapter with your next paper. Etc. Rather than call these "chapter2.tex", "chapter3.tex" etc, give the files (and labels in the chapter) descriptive titles so that I don't get confused if we reorder them.

To include a paper, just strip off the parts before and including

```
\begin{document}
```

Depending on how clean the publisher's LaTeX template is, you might also need to change some of the formatting within the paper, but most of it will translate directly.

Bibliography

- [1] E.F. Merschrod, H. Tang, and R. Hoffmann. Bonding in an Unusual Nickel Carbide. *Zeitschrift für Naturforschung*, 53b:322–332, 1998.

*This chapter is a modified version of "Blah blah", Authors, *Journal* **vol**, pages (year).

Chapter 3

Conclusions

The conclusions needs to give an overview of the findings in the whole thesis. This shouldn't just repeat what you've already said. You need to come up with a coherent statement underscoring the impact and value of what you have done.

You should also have a Future Directions section (you can include that phrase in the title if you want). These are suggestions for projects for future students. Use sufficient referencing to support your proposed future directions. [1]

Bibliography

- [1] I. Alina Stetco and Erika F Merschrod S. Supramolecular structure and anomer-selective formation of polyglucuronic acid. *Polymer International*, 62(5):804–810, 2013.

Appendix A

Appendix title*

One reason to include appendices is to have a place to put supporting information from published articles. You may also want appendices for data from side projects, manuals or code you've written, etc.

*This appendix provides the supporting information from “Blah blah”, Authors, *Journal* **vol**, pages (year).