TEMPLATE FOR A BSU GRADUATE THESIS

by

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The thesis presented by T. Dylan Mikesell entitled TEMPLATE FOR A BSU GRADUATE THESIS is hereby approved:

Dr. Dylan Mikesell Date
Assistant Professor of Geophysics
Thesis Advisor

Committee Member Date

Committee Member Date

Tammi Vacha-Haase Date
Dean of the Graduate College

DEDICATION

to all us geeks out there

ACKNOWLEDGMENT

This is where you would thank your Leader, colleagues, teachers, family, pets, your teacher's pets and all your fans out there.

AUTOBIOGRAPHICAL SKETCH

I was born at a very young age.

ABSTRACT

Here is where you paste your abstract. In this directory are the files and examples for the BSU format for a PhD or MS thesis. Now, if BSU wants, we can make the heading look like the introduction header, for instance, that is no sweat.

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CHAPTER 1:

INTRODUCTION

This is an attempt at a template for your thesis using the latest versions and features of LaTeX(version 2ϵ).

Even if you are unfamiliar with LaTeX, you should be able to pick it up with little effort. The nice thing is that LaTeXdoes all type-setting for you, and you don't need to worry about where to insert figures, order references etc. etc. Your systems administrator should be able to help you install the necessary software, and the rest of particular files you need to create your thesis are packed with this template.

LaTeXis free, and runs under most operating systems (MAC, Windows, Unix or Linux).

This template is very close to the demands for style in the "Standards" brochure of BSU, and based on the "report" class in LaTeX. Special tweaks of certain things (like the generation of the committee sheet, and the layout of the title page) are done in a file called BSUthesis.sty. **DO NOT ALTER THIS FILE**. Instead shoot me an e-mail or drop by if something needs changing.

CHAPTER 2:

EXAMPLE OF A CHAPTER

For the thesis format for BSU, here is an example Chapter.

2.1 Summary

This is an example of a Chapter.

2.2 Introduction

We present an example of a Chapter

2.3 Example of a section

This is an example of a Chapter, like in van Wijk (2003). Let us include Figure 2.1 from a paper we wrote a while back (Scales & van Wijk, 2001). As you can see in examplechapter.tex, the figure label is dynamic. This means that if you change the order of the figures, or remove one, you will not have to renumber these by hand.

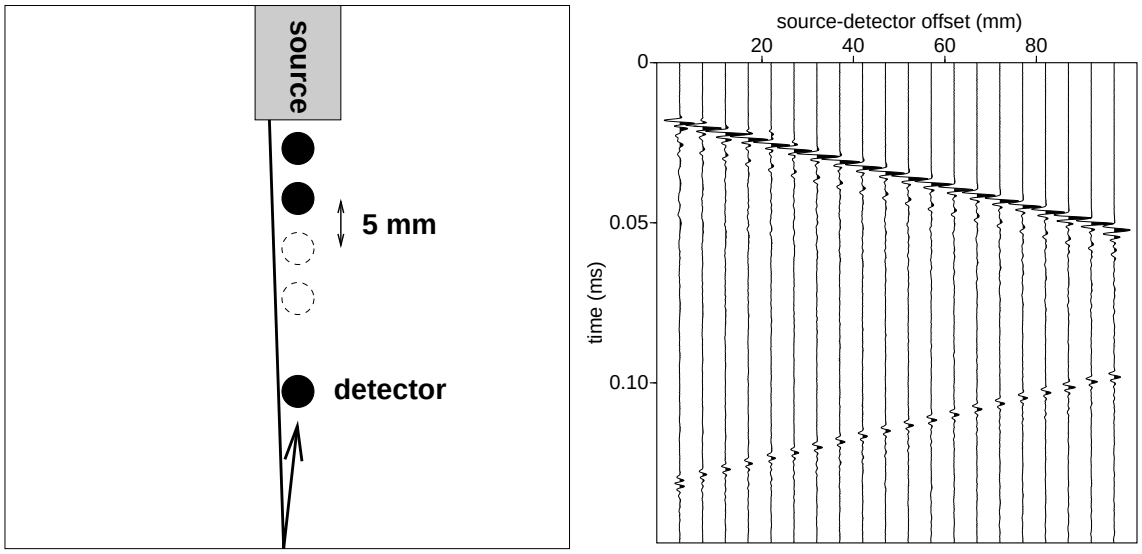

Figure 2.1: Top-view of the experimental configuration (left) on the smooth face of aluminum.

By the way, in examplebib.bib are examples of most formats for your bibliography. Another way of using natbib is like this: (or van Wijk, 2003, for example). For a complete overview of the features of the natbib package for bibtex, see natbib.pdf in this directory.

2.3.1 Example of a subsection

There are headings for chapters, sections, subsections and even subsubsections:

Appendices

In Appendix A there is an example of an equation, while 95% confidence intervals for σ are given in Table 2.1.

Table 2.1: Approximate 95% confidence intervals (in ms) for the true standard deviation $\sigma = 2.0$ ms of the VSP data. The first column corresponds to the model-independent estimate, the others are model-based estimates from the three different L-curves.

σ_μ	σ_I	σ_L	$\sigma_{1/\lambda}$
2.02 ± 0.03	1.90 ± 0.03	1.92 ± 0.03	1.93 ± 0.03

more bla di bla (to create some more pages)

and a little more...

REFERENCES

Scales, J. A., & van Wijk, K. 2001. Tunable multiple-scattering system. *Applied Physics Letters*, **79**(14), 2294–2296.

van Wijk, K. 2003. *Multiple scattering of surface waves*. Ph.D. thesis, Colorado School of Mines.

APPENDIX A:

EXAMPLE OF AN APPENDIX

Here are two examples of the math format:

$$|T| \sim \exp(-\tilde{R}(k)x), \tag{A.1}$$

and

$$I_t(x,t) = \exp(-Bvt/\ell_s - vt/\ell_a) \exp\left(Bvt/\ell_s(1 - 1/2(x/vt)^2)\right) \times (2\pi\ell_s/Bvt)^{-1/2}. \tag{A.2}$$

You can also display the math from expression(A.1) within lines of text: $|T| \sim \exp(-\tilde{R}(k)x)$, or separate without numbers:

$$|T| \sim \exp(-\tilde{R}(k)x).$$