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# TITLE OF DISSERTATION IN ALL CAPITAL LETTERS

By

Blizzard T. Husky

A DISSERTATION

Submitted in partial fulfillment of the requirements for the degree of

DOCTOR OF PHILOSOPHY

In Degree Program

MICHIGAN TECHNOLOGICAL UNIVERSITY

2025

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###### List of Figures

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###### List of Tables

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This section was previously named the preface.

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* A document includes previously published materials, or
* A document includes materials developed collaboratively.

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An author contribution statement is also required if part of the dissertation was prepared collaboratively. For example, if a chapter of a dissertation was prepared jointly by the author of the dissertation and another student (who worked together on the research project and in the writing of the text of the chapter), the author contribution statement must clearly describe the contributions made by each individual.

###### Acknowledgements

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This page is used to thank individuals, groups, or organizations for their support. If you are required to acknowledge the support of a sponsor, this is generally an appropriate place to do so.

###### Definitions

This section is optional.

Include a list of definitions here, if desired.

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## Main body (Heading 2)

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To insert landscape pages into your document and properly format the page numbers, please see this [tutorial on landscape page numbers](http://guides.lib.umich.edu/c.php?g=283073&p=1886009), and check to ensure that the numbers are not in the margins.

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Table .. Sample table. Description of styles used in this document.

| Heading Label | Function of Heading | Present in Table of Contents? |
| --- | --- | --- |
| Heading 1 | Title of document. Only used once | No |
| Heading 2 | Main chapter heading | Yes |
| Heading 3-5 | Sub-sections of chapters | Yes |
| Heading 6 | Main sections in preliminary pages (List of Figures, Acknowledgements, etc.) | Yes |
| Heading 7 | Main appendix heading (Appendix A) | Yes |
| Headings 8-9 | Sub-sections of appendices (A.1, etc.) | Yes |
| GS Administrative Home | Used on approval page to right align administrative home | No |
| GS Approval Line | Used to properly align names listed on approval page | No |
| GS Table Caption | Used for table captions – centers the caption on page | No |
| GS Table Cell | Plain text for table | No |
| GS Tale Header | Bold text for table header | No |
| Title Page Text | Centers text on title page | No |
| Title Page Text – section | Centers text on title page and places large space after to separate sections | No |
| Normal | Used for body text; 12 pt spacing after each paragraph | No |

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Table .. Mapping of headings to bookmarks for PDF conversion.

| Heading Label | Bookmark Level |
| --- | --- |
| Heading 1 | 1 |
| Heading 2 | 2 |
| Heading 3 | 3 |
| Heading 4 | 4 |
| Heading 5 | 5 |
| Heading 6 | 2 |
| Heading 7 | 2 |
| Heading 8 | 3 |
| Heading 9 | 4 |

See Figure 1.1 on page 3 for a screenshot of how the bookmarks preferences should look when the proper levels and bookmarks are set. Note that in this document, the table of contents styles have already been defined to appear correctly.



Figure .. Screenshot of how to assign levels to bookmarks in Acrobat using the headings present in this document.

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Figure .. Native copper from Keweenaw County.

 Image source: https://en.wikipedia.org/wiki/Copper\_Country. See Appendix B for full attribution and copyright licensing information. Note that when you use Word’s automatic cross-reference command to an Appendix, select “Heading Number (no context)” for best results.

##  Additional Chapter

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### Heading 2 Subsection

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## Final Chapter

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## Reference List

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Title of Appendix

Appendices are optional. It is optional to use letters to number your appendices (for example: Appendix A). Use the Heading 7 style to define each new appendix as needed if using A, B, C, etc... Headings 8 and 9 can be used for subsections within an appendix. A page break will automatically be inserted before each new appendix.

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Heading 8 subsection

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Figure A.1. Map of the copper country region (light shading). Image source: https://en.wikipedia.org/wiki/Copper\_Country. See Appendix B for full attribution and copyright licensing information.

Heading 9 subsection

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Figure A.2. Miners with lunch pails at the Tamarack mineshaft. Image source: <https://en.wikipedia.org/wiki/Copper_Country>. See Appendix B for full attribution and copyright licensing information.

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Table A.1. Important dates in the history of the Graduate School at Michigan Tech.

|  |  |
| --- | --- |
| Date | Event |
| 1885 | Michigan Mining School is established |
| 1927 | First masters’ degree are awarded |
| 1934 | First PhDs are earned |
| 1950 | The Board of Control approved the creation of the Graduate School |
| 1960 | First dean of the Graduate School was appointed |
| 2005 | First female dean of the Graduate School, Jacqueline Huntoon, was appointed |
| 2009 | Graduate enrollment exceeds 1000 students for the first time |

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Copyright documentation

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Figure A.1: “Tamarack Miners Copper Country MI sepia” by Adolph F. Isler (1848-1912); dust cleaned up by Howcheng. - Keweenaw National Historical Park archives, Jack Foster Collection. Downloaded from http://www.fhwa.dot.gov/byways/photos/61352. Licensed under Public Domain via Wikimedia Commons - [https://commons.wikimedia.org/wiki/File:TamarackMiners\_CopperCountryMI\_sepia.jpg#/media/File:TamarackMiners\_CopperCountryMI\_sepia.jpg](https://commons.wikimedia.org/wiki/File%3ATamarackMiners_CopperCountryMI_sepia.jpg#/media/File:TamarackMiners_CopperCountryMI_sepia.jpg). Accessed July 2015.

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