

GUIDELINES FOR THE MASTER THESIS IN MATHEMATICS

About

The Master Thesis is a comprehensive study that contributes to the understanding of a research topic, either by relating various approaches in the literature or by developing new methods. A master thesis is not required to contain original results, however, obtaining new results that lead to publication in the research literature is encouraged. The required minimum length is 20 pages (excluding references and appendices). Students should discuss the expectations of thesis with their advisor and get feedback on whether the thesis meets the expectations for the problem/topic under consideration, and whether the work completed is satisfactory.

Format for Submission of Senior Project

The title page of the Master Thesis should contain the following: the thesis's title, the student's name, the adviser's name, the statement "Presented to the MA in Mathematics Program in Partial Fulfillment of the Requirements for Completion of the Program," the information "Katz School of Science and Health, Yeshiva University, New York, New York," and the date of submission. A sample cover page appears in these guidelines; students should do their best to match the format.

The paper size used should be 8 ½" by 11". The left margin should be 1.25 inches, and the top, bottom, and right margins should each be 1 inch. All pages should be numbered. The text should be double-spaced, except for quotations of five lines or longer, which should be single-spaced and indented. The text in the body of the thesis should be Times New Roman 12-point font.

Table of Contents

The table of contents lists chapters and other main divisions (first order sub-headings, references, and appendices). The title of each entry and chapter numbering method must correspond exactly to that within the main body of thesis.

Outline

A suggested outline of the thesis is the following: (i) Abstract; (ii) Introduction; (iii) Methods; (iv) Results; (v) Conclusions; (vi) References.

Abstract

An abstract must be included in your dissertation or thesis. The abstract must (a) state the problem briefly; (b) describe the methodology; (c) summarize the findings.

Mathematical Equations

Mathematics should be prepared using Word's built-in 'Equation Editor', or MathType, or LaTeX, or a similar product. Equations should be centered in the text. Equation numbers (typed in either parentheses or brackets) must be aligned with the right-hand margin.

Figures

Figures should be embedded in the text. Each figure should have a brief caption describing it and, if necessary, a key to interpret the various lines and symbols on the figure.

References

Students are expected to use a significant number of primary sources, as well as secondary sources, in completing their projects. When they submit their Master Thesis (both in rough draft and final draft form), all citations must be included in the appropriate format. Students should be reminded that their failure to properly cite sources will negatively affect their grades and could result in charges of plagiarism.

Acknowledgments

Students wishing to acknowledge the assistance, direction and encouragement from your thesis advisor or from other persons, as well as special work done by technical staff or financial support from organizations should do so in an unnumbered 'Acknowledgments' section immediately following the last numbered section of the article.

Appendices

Technical detail that it is necessary to include, but that interrupts the flow of the article, may be included as an appendix. Appendices should be included at the end of the main text of the thesis, after the acknowledgments but before the reference list.

References

A list of references and works consulted must be appended to the thesis.

18 pt: Euclid Elements from Hilbert's Axioms

14 pt: Presented to the MA in Mathematics Program

in Partial Fulfillment of the

Requirements for Completion of the Program

Katz School of Science and Health

Yeshiva University

May 1, 2019

18pt: John Doe

14Pt: Adviser: Professor Jane Doe, Mathematics

Font: Times New Roman

Format for title page: centered, line spacing 1.5

Left margin: 1.25"

Top, bottom, and right margins: 1"