

Journal Papers in a Thesis

With the approval of your major professor and POS Committee, you may include manuscripts published in, accepted by, submitted to, and/or prepared for submission to scholarly journals and proceedings (or modified from those versions). As in a traditional thesis, the collection of papers should address related topics. You must be a primary author of the papers (i.e., a person principally involved in the data selection or collection, the data analysis or interpretation, and the writing of the papers). If you choose this option, the **content** of each paper will be similar to or the same as what you submit to the journal/proceedings, but you will organize your thesis as described below, format each paper as described below, and follow all of the Graduate College requirements for style, margins, font, text spacing, and page numbers as specified in ISU Thesis Office documents.

Thesis Organization for a Thesis Containing Journal Papers

Each paper will appear as a separate chapter in the thesis (see “Formatting a Journal Paper for Inclusion in a Thesis,” below). In addition, a general introduction chapter must appear at the beginning of the thesis and a general conclusion chapter must appear at the end of the thesis (preceding any overall appendices that may be included). Additional chapters and an overall reference section may also be included. See Figure 1 for a sample Table of Contents showing a typical organization of a thesis containing journal papers

General Introduction. Since each thesis at Iowa State University must be organized as a complete and cohesive document, you must begin your thesis with a general introduction in which you state the research problem and address the background and significance of the research topic. In addition, since a component of most theses is an extensive discussion of previous work on the subject, and since many journals do not encourage in-depth literature review sections within journal papers, you may include a literature review either as part of the general introduction or as a separate chapter. For the general introduction:

- Format the main heading of this chapter exactly like other top level (chapter) headings of the thesis.
- Within the general introduction, include a subsection, entitled “Thesis (or Dissertation) Organization,” which contains an explanation about the inclusion of papers and specific information about the organization of your thesis.
- List any references cited in this chapter either at the end of this chapter or at the end of the thesis.

General Conclusion(s). In addition to summarizing the results, the general conclusion(s) chapter should contain a discussion of the results as they apply to the research problem detailed in the general introduction. You may also include suggestions for additional research in this chapter.

iii	iv
TABLE OF CONTENTS	
LIST OF FIGURES vi	Introduction 28
LIST OF TABLES vii	Materials and Methods 30
ABSTRACT ix	Results and Discussion 32
CHAPTER 1. GENERAL INTRODUCTION 1	Conclusions 35
Introduction 1	Acknowledgements 37
Thesis Organization 5	References Cited 38
Literature Review 6	CHAPTER 4. TITLE OF THIRD PAPER
References 8	THAT HAS TWO LINES OF TEXT 39
CHAPTER 2. TITLE OF FIRST PAPER 9	Abstract 39
Abstract 9	Introduction 40
Introduction 10	Materials and Methods 43
Materials and Methods 13	Results and Discussion 45
Results and Discussion 15	Conclusions 46
Conclusion 18	Acknowledgements 49
Acknowledgements 19	References 49
References 19	CHAPTER 5. GENERAL CONCLUSIONS 53
CHAPTER 3. TITLE OF SECOND PAPER 27	General Discussion 53
Abstract 27	Recommendations for Future Research 55
	References 56
	APPENDIX A. RAW DATA 57
	APPENDIX B. ADDITIONAL TABLES 62
	ACKNOWLEDGMENTS 65

Figure 1. Sample table of contents for a thesis containing papers

Additional Material. You may include additional details on background, methods, and procedures used in the journal paper: 1) as an appendix to the journal paper to which it applies; or, if it is of a more general nature, 2) as a separate chapter within your thesis; or 3) as an appendix to the thesis.

References. References may appear at the end of the chapter in which they are cited (with no page break between the end of the chapter's text and its reference list). The reference style you use in each chapter may correspond to the style used by the journal for which that journal paper was prepared. Alternatively, you may: 1) list paper chapter references at the end of the chapter in which they are cited, but list references from the other chapters (e.g., General Introduction and General Conclusion) together at the end of the thesis; or 2) list all references from all chapters in a comprehensive listing at the end of the thesis. If using one of these last two options, format the references in the general reference section using the same reference style as one of the journal papers.

Formatting a Journal Paper for Inclusion in a Thesis

Each paper will appear as a separate chapter in the thesis. Write the journal paper for submission to the journal and then reformat it as described below:

- Delete any separate manuscript cover and/or title page.
- Use the paper's **title** as the main chapter heading, inserted at the top of the page and formatted the same as other main headings in the thesis. (You may include any information normally on the title page of a journal paper on the first page of the chapter, either as a subtitle or as footnotes, as shown in Figure 2.).
- Beneath the paper's title, indicate the **publishing status** and the name(s) of the **author(s)** as they will appear in the journal (see Figure 2 for samples of the first page of a journal paper chapter).
- If a paper has **multiple authors**, include an explanation of your role and/or the co-authors' roles in the research and/or preparation of the journal paper. This explanation may appear directly under the authors' names, as a footnote on the first page of the paper, or in the Thesis Organization section of the General Introduction chapter where you introduce your papers.
- Begin the **text** of the paper (Abstract or Introduction) on the same page as the title, beneath the author(s)' name(s) following the text requirements outlined earlier. Follow the journal requirements for heading and reference styles within the paper, but begin each new section of the paper (including the references) immediately below the end of the preceding section (i.e. eliminate extra white space, so pages look as they would in a typical book).

10

**THIS IS THE TITLE OF A PAPER
INCLUDED IN A THESIS**

A paper to be submitted to [or submitted
to/accepted by/published in] *The Journal of ABC*

Jane Smith, Harold Jones, Jesse Adams

Abstract

This is the abstract that is part of this paper. If the abstract doesn't completely fill the page, the Introduction also starts on this page. There are no page breaks between the different sections within the paper.

Introduction

The text of the Introduction starts on the same page as the Abstract, as long as there is room for at least two lines of text beneath the heading. The headings within this chapter will match the style required by the journal. All pages of text within the paper are completely filled in.

(a) First page of journal paper chapter with the minimum amount of information included

10

**CHAPTER 2. THIS IS THE TITLE OF A
PAPER INCLUDED IN A THESIS**

Modified from a paper to be published in
The Journal of ABC

Jane Smith^{2,3} and Jesse Adams^{2,4}

Abstract

This is the abstract that is part of this paper. At the bottom of this page, beneath a 1.5"-2" footnote line, can be footnotes with details of permission granted by the publisher of the paper, the authors' titles and institution names, the relative contribution of each of the authors, etc. The text of the paper will completely fill in the page above the footnotes, as in a journal.

¹Reprinted with permission of *J. of ABC*, 2005, 25(1), 41-45.
²Graduate student and Associate Professor, respectively, Department of Statistics, Iowa State University.
³Primary researcher and author.
⁴Author for correspondence

(b) First page of journal paper chapter with additional information included

Figure 2. Samples of the first page of journal paper chapter

- Follow the regular thesis margin requirements for all **figures** and **tables**. If you follow a journal's requirement to list all figure captions for the paper in a single listing, you must still show the figure number (but not necessarily the full description) on each individual figure page in a consistent font and a consistent position (within each paper) relative to the image.
- If your journal papers have been prepared for journals with different requirements, each chapter in your thesis may have different subheading, table/figure, caption, and/or reference styles.

Note: If you want to withhold your thesis (or part of it) from electronic publication until a journal article is published, you must fill out and submit a hold/embargo form, available from the Thesis Office.