

Ph.D. Dissertation

Dissertation Title (22p)

- Subtitle (16p)-

Student Name (16p) (ex: First name Last Name)

The Graduate School

Sungkyunkwan University

Department of ooo (16p)

Ph.D. Dissertation

Dissertation Title (22p)

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A Ph.D. Dissertation Submitted to the Department of ooo (16p) and the
Graduate School of Sungkyunkwan University in partial fulfillment of the
requirements for the degree of Typed your degreere (ex: Doctor of
Philosophy 14p)

October 2024

Supervised by

Major Advisor's English Name (16p)

Major Advisor

This certifies that the Ph.D. Dissertation
of Student Name (16p) (ex: First name Last Name) is approved.

Committee Chair :

Committee Member :

Committee Member :

Committee Member :

Major Advisor :

The Graduate School
Sungkyunkwan University
December 2024

Table of Contents

1 Introduction (16p)	1
1. Section (14p)	1
1)	1
2 Format	2
1. The Thesis	2
1) When you write a thesis on the Hangul(한글)	2
2) When you write a thesis on the MS Word	3
2. How to bind your degree thesis	3
3. Order and forms of binding degree theses	3
3 L^AT_EX Usage	5
1. skkudissertation document class	5
1) Configuration	6
2) Abstracts and keywords	7
2. Chapters and Sections	8
1) This is subsection	8
3. Figures and tables	9
1) Figures	9
2) Tables	10
4. Bibliography	11

References	12
Appendix	13
1 title (14p)	13
2 title (14p)	13
3 L ^A T _E X Usage	13
3.1 This is subsection	13

List of Tables

3.1 Dissertation Copies	5
3.2 Example table	11

List of Figures

3.1 Offline copies of Approval Form	6
3.2 Example figure	9
3.3 Example subfigures	10

Abstract

Dissertation Title (22p)

Leave two blank spaces at the beginning of each paragraph, and use the font size of 11 points.

The length of the abstract should not be longer than 2 pages.

List 2–5 keywords separated by commas.

Keywords: _____, _____, _____,

Chapter 1. INTRODUCTION (16P)

1. Section (14p)

1)

The main body of the text starts here. The main text should be typed with HY 신명조 11 point which is composed of line scape 200% 38 characters x 25 lines.

This page is typeset with the above font sizes, so you can write the text by using the typeset form of this page.

Leave two blank spaces at the beginning of each paragraph, and use a font size of 11 points.

The convention used for footnotes and references may vary in different academic disciplines and societies. Thus, please follow the convention used in your department.¹

¹Footnotes are written in 9point.

Chapter 2. FORMAT

This chapter is the contents in SKKU (2023b). Some dates differ from the actual values you should use. So read the latest announcement of the school.

1. The Thesis

1) When you write a thesis on the Hangeul(한글)

- Paper size : A4 size (210 x 297mm)
- Margins:
 - Top and bottom margins - 38mm
 - Forewords and footers - 15mm
 - Left and right margins - 30mm
- Indenting : Leave two blank spaces at the beginning of each paragraph.
- Line spacing : 200%
- Alignment method : mixed
- Fonts and sizes:
 - Fonts: HYSinmyeongjo(HY 신명조), humanmyeongjo(휴먼명조), Times New Roman
 - Titles - 16 point, in bold types
 - Sub-headlines - 14 point, in bold types

- Texts – 11 point
- Footnotes - 9 point

2) When you write a thesis on the MS Word

- Paper size : A4 (210 x 297mm)
- Margins:
 - Top and bottom margins - 3.8cm
 - Forewords and footers - 1.5cm
 - Left and right margins - 3cm
- Others : Same as a thesis on the Hangul.

2. How to bind your degree thesis

- Inside paper quality : 80g, vellum paper
- Printing methods : Print your thesis on both sides.
- Covers:
 - Soft : White, 220g
 - Hard : Navy, golden fonts
- Year: Year of graduation (ex: 2024. 2. → 2024 / 2024. 8. → 2024)

3. Order and forms of binding degree theses

1. Cover

2. Side of Cover : Print only as a cover.(Do not print as contents)
3. Submission form : It should be “April 2024” .(Do not change)
4. Approval forms : Copy 1 Must be name and signature of Thesis Committee,
Copy 2, 3 Must be empty (no name and signature of Thesis Committee).
★ It should be “June 2024” . (Do not change)
5. Table of contents: The table of contents should include the contents for figures and tables
(You may change the format for different theses.)
6. Abstract in English : It should not be longer than 2 pages.
7. Text
8. Reference data
9. You may have any appendices, indexes or other information.
10. Abstract in Korean : It should not be longer than 2 pages.

Chapter 3. L^AT_EX USAGE

1. skkudissertation document class

You can write PhD dissertation for Sungkyunkwan University based on `skkudissertatin.cls` by `\documentclass{skkudissertation}`. The formats are based on SKKU (2023b) and SKKU (2023a). There are several options.

- `print`: Gives side cover.
- `signature`: Off-line print version also requires two different versions - both with and without committees' signatures. So this option is separated from `print` option.
- `demodissertation`: The demo version is provided. This reproduces the dissertation instruction form.

Prepare the following three copies for off-line submission and one on-line submission. Follow the Table 3.1.

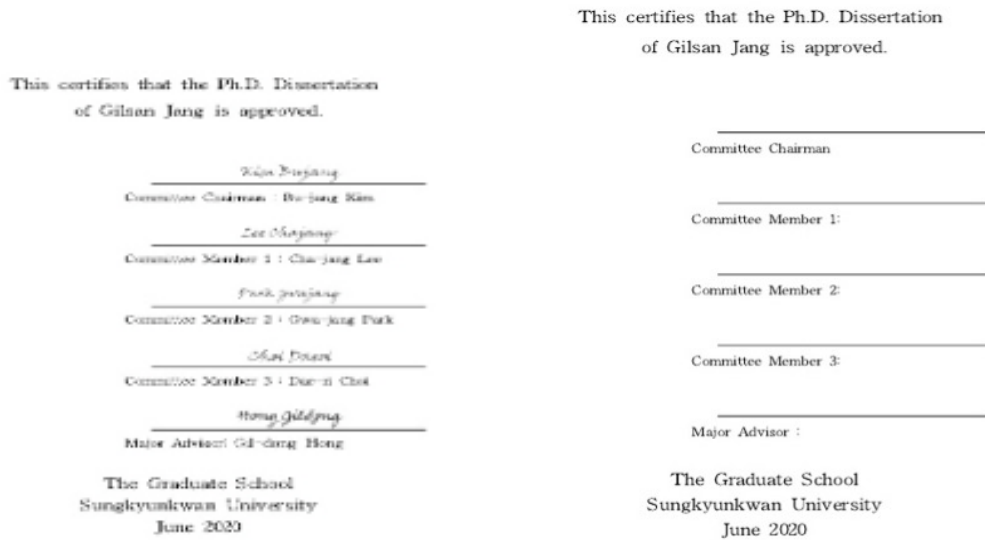
Approval form	Off-line			On-line
Name and signature	O	X	X	X
skkudissertation option	[print, signature]	[print]	[print]	No option

Table 3.1: Dissertation Copies

Figure 3.1 shows each approval form.

To use Korean, this document class implements `kotex`. At this point, you need to change the compiler to XeLaTeX or LuaLaTeX from pdfLaTeX. However, it gives a warning in the recent T_EX-Live version saying that

“Font shape ``TU/UnBatang.ttf(0)/m/it'` undefined”



(a) OFFLINE 1 copy with name/signatures (b) OFFLINE 2 copies without name/signatures

Figure 3.1: Offline copies of Approval Form

“Some font shapes were not available, defaults substituted.”

Since they are not errors, you can ignore them. If you want to avoid these warnings, change the T_EX-Live version to 2020.

1) Configuration

By using the following commands, you can make the format of the dissertation easily. All should be defined before beginning the document.

- `\dissertationtitle{}`: Dissertation title
- `\dissertationsubtitle{}`: Subtitle
- `\authorname{}`: Author
- `\department{}`: Department name following “Department of”
- `\submissiondate{}`: Date in submission form. Instruction will tell what should be used.

- `\approvaldate{}`: Date in approval form. Instruction will tell what should be used.
- `\gradyear{}`: Graduation year in side cover. Instruction will tell what should be used.
- `\degree{}`: Degree name.
- `\majoradvisor{}`: Major advisor.
- `\kortitle{}`: Dissertation title in Korean.
- `\korname{}`: Author name in Korean.
- `\kordep{}`: Department name in Korean, preceding “학과”.

If signature option is enabled (`\documentclass[signature]{skkudissertation}`), the name of each committee and advisor is put in approval form. Note that both with and without versions are needed. To use this option, you should also specify the following.

- `\committeechair{}`: Committee chair.
- `\firstcommittee{}`: First committee member.
- `\secondcommittee{}`: Second committee member.
- `\thirdcommittee{}`: Third committee member.

2) Abstracts and keywords

The following generate abstract and keywords pages. Keep the order provided in `main.tex`.

- Fill `\begin{abstractpage}{eng} ... \end{abstractpage}` for the English abstract.
- `\begin{keywords}{eng} ... \end{keywords}` will add English keywords.

- Fill `\begin{abstractpage}{kor} ... \end{abstractpage}` for the Korean abstract.
- `\begin{keywords}{kor} ... \end{keywords}` will add keywords in Korean.

2. Chapters and Sections

The document has a hierarchy of

1. Chapter: `\chapter{title}`
2. Section: `\section{title}`
3. Sub-section: `\subsection{title}`
4. Sub-subsection: `\subsubsection{title}`

Chapter title is provided with **Chapter num. TITLE**, which is centered. Section title is in the format of `num. Title`. In the following, you can see the format of the rest - subsection and subsubsection.

- 1) This is subsection

The format of subsection is `num) Title`.

- 1.1) This is subsubsection

The format of subsubscction is `num.num) Title`.

3. Figures and tables

1) Figures

```
\begin{figure}[H]  
  
\centering  
  
\includegraphics[width=.3\textwidth]{demo/fig.png}  
  
\caption{Example figure}  
  
\label{fig:fig-label}  
  
\end{figure}
```



Figure 3.2: Example figure

```
\begin{figure}[H]  
  
\begin{subfigure} {.5\textwidth}  
  
\centering  
  
\includegraphics[width=.5\linewidth]{demo/fig2.png}  
  
\caption{Example subfigure 1}  
  
\label{fig:sub-1}  
  
\end{subfigure}  
  
\begin{subfigure}{.5\textwidth}
```

```

\centering
\includegraphics[width=.5\linewidth]{demo/fig.png}
\caption{Example subfigure 2}
\label{fig:sub-2}
\end{subfigure}
\caption{Example subfigures}
\label{fig:fig-sub}
\end{figure}

```



(a) Example subfigure 1



(b) Example subfigure 2

Figure 3.3: Example subfigures

2) Tables

```

\begin{table}[h!]
\centering
\begin{tabular}{|c|c|}
Col1 & Col2 \\ \hline
1 & 1
\end{tabular}
\caption{Example table}
\label{tab:tab-label}

```

`\end{table}`

Col1	Col2
1	1

Table 3.2: Example table

4. Bibliography

This document uses `natbib` with `apalike` style. Use `\cite{latex2e}` - which will have the format of Lamport (1994) inline - where `latex2e` is the cite key defined in `bib` file. You can use your own `bib` file and change `\bibliography{}` input. `skkudissertation.bib` is provided for demo.

References

Lamport, L. (1994). *LaTeX: a Document Preparation System*. Addison Wesley, Massachusetts, 2 edition.

SKKU (2023a). (english) dissertation form for doctorate degree (박사학위논문 영문양식). Technical report, Sungkyunkwan University.

SKKU (2023b). Guideline for 2024 winter thesis/dissertation binding and submission process. Technical report, Sungkyunkwan University.

Appendix

<Appendix 1> title (14p)

<Appendix 2> title (14p)

If you need Appendix, please use same form with main body text.

If you don't need an Appendix, please delete this page.

<Appendix 3> L^AT_EX Usage

Use `\appendix` before starting the appendix. The appendix does not have a chapter, it starts with a section.

<Appendix 3.1> This is subsection

<Appendix 3.1.1> This is subsubsection

These are the format of the title of each appendix hierarchy. In the table of contents, you can see the section and subsection.

논문요약

논문제목을 작성하시오 (16p)

제출자 성함(11p)

○○ (11p) 학과

성균관대학교

여기부터 논문요약을 한국어로 2page 이내(주제어 기재란 포함)로 작성하시기 바랍니다.

주제어: _____, _____, _____,
