

Latex Certificate Course

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1 Day 1

1.1 Verbtex installation

Install Verbtex application from Google Playstore.
(Note : Install a pdf viewer if you don't have one.)

Compilation of Sample document

Select Local Mode.
Create Project : *Latex Course*
Open Project.
(Note : Verbtex automatically opens document.tex file.)
Generate pdf.

2 Day 2

2.1 Document Title

Download *day02.tex* into Verbtex Project : *Latex Course*
Open **Verbtex** Application and Open Latex Course Project.
(Note : Verbtex automatically opens *day02.tex* file.)
Follow instructions from *asg02.pdf*
Submit *day02.tex* and *Latex Course.pdf* files.

3 Day 3

3.1 Text Formatting

Use `textbf`, `textit` Commands for boldface, italic fonts.

3.2 Table of Contents

Use `tableofcontents` Command for auto-generating Table of Contents.
Always generate pdf *twice* to update page numbers.
Follow instructions from *asg03.pdf*

Combined Styles

This ***word*** is both **boldface** and *italic*.

4 Day 4

4.1 Lists

There are three list environments in LaTeX.

itemize environment

- § This is a bulleted list.
 - 1. First Subitem
 - 2. Second Subitem
- § This is second item on the list.

enumerate environment

- 1. First item
 - i First Subitem
 - ii Second Subitem
- 2. Second item
- 3. Third item

4. Fourth item¹

description environment

toc table of contents

lof list of figures

lot list of tables

4.2 Footnotes

This word² has a footnote associated to it.

5 Day 5

5.1 Page Margin

- Package geometry can be used to customize page margins.

5.2 Header & Footer

- Package fancyhdr can be used to customize page headers and footers.

6 Day 6

6.1 Math Mode

- Inline mathematical expressions are written between two \$ symbols.
- There are L^AT_EX commands that work/don't work in different settings.

Superscripts & Subscripts

- Superscripts are written using caret ^
- Subscripts are written using underscore _

Assignment

Expressions are : $3^2 + 4^2 = 5^2$, $\sin \pi = 0$, $5 \times 4 = 20$, and $a_2x^2 + a_1x + a_0$. We may write expressions with multi-character superscripts and subscripts. For example : $\log_{10} x^{12}$.

¹Assignment Day 4

²This is a footnote