

UNIVERSITY

Department

OmniLaTeX Minimal Starter Guide

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1. Introduction

This is a minimal starter template demonstrating all major OmniLaTeX capabilities. Each section shows one feature with minimal but idiomatic usage.

1.1. Text Formatting

Basic text with **bold**, *italic*, and `monospace` fonts. Unicode support: $\alpha\beta\gamma$, $\mathbb{R}\mathbb{C}\mathbb{N}$, $\forall\exists\in\ni$.

1.2. Citations

Reference bibliography entries with `\cite{}`: [**knuth1984texbook**]. Multiple citations: [**lamport1994latex**; **goossens1994latex**].

1.3. Cross-References

Reference sections with `\ref{}`: See Section 2. Reference figures: Figure 4.1. Reference tables: Table 4.1.

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2. Lists and Structures

2.1. Unordered Lists

- First item
- Second item
 - Nested item
 - Another nested item
- Third item

2.2. Ordered Lists

1. First step
2. Second step
3. Third step

2.3. Description Lists

OmniLaTeX Universal LaTeX template

LuaLaTeX Modern LaTeX engine

KOMA-Script Document class collection

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3. Mathematics

3.1. Inline Math

Einstein's famous equation: $E = mc^2$. Pythagorean theorem: $a^2 + b^2 = c^2$.

3.2. Display Math

The quadratic formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad [3.1]$$

Maxwell's equations:

$$\nabla \cdot \mathbf{E} = \frac{\rho}{\epsilon_0} \quad [3.2]$$

$$\nabla \cdot \mathbf{B} = 0 \quad [3.3]$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \quad [3.4]$$

$$\nabla \times \mathbf{B} = \mu_0 \mathbf{J} + \mu_0 \epsilon_0 \frac{\partial \mathbf{E}}{\partial t} \quad [3.5]$$

Reference equations: Equation [3.1].

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4. Figures and Tables

4.1. Figures

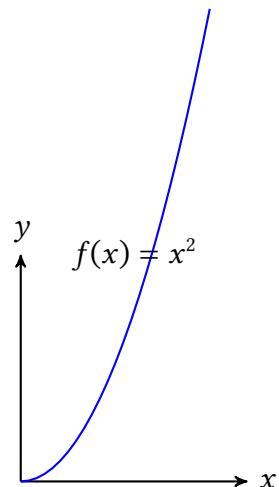


Figure 4.1: Example TikZ figure showing $f(x) = x^2$.

4.2. Tables

Table 4.1: Example table with data.

Item	Value 1	Value 2
First	10.5	20.3
Second	15.2	18.7
Third	12.8	22.1

5. Code Listings

5.1. Python Example

```
1 | def fibonacci(n):
  |     """Calculate the nth Fibonacci number."""
  |     if n <= 1:
  |         return n
  |     return fibonacci(n-1) + fibonacci(n-2)
5 |
  | print(fibonacci(10)) # Output: 55
```

Code Listing 5.1: Recursive Fibonacci function in Python.

5.2. LaTeX Example

```
1 | \documentclass{article}
  | \begin{document}
  | Hello, \LaTeX{}!
  | \end{document}
```

Code Listing 5.2: Minimal LaTeX document.

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6. Glossaries and Acronyms

6.1. Using Glossaries

This template uses ?? for typesetting. The ?? is a research university in Hamburg.

Using ?? and ?? again.

?? are essential for computing. ?? is the short form only. ?? is the long form only.

6.2. Adding New Terms

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7. Advanced Features

7.1. Boxes and Callouts

Note: This is an example callout box. You can add important information here.

7.2. TODO Notes

7.3. Hyperlinks

External link: <https://www.latex-project.org/>

Link with text: CTAN Package Repository

Email: example@example.com

7.4. Footnotes

This text has a footnote¹. Multiple footnotes² are possible³.

7.5. Colors

Text can be red, blue, or green.

¹This is the footnote text.

²First footnote.

³Second footnote.

You can define custom colors in your document or institution configuration.

8. Bibliography and References

All citations appear automatically in the bibliography. Add entries to `../.../bib/bibliography.bib`.

Example BibTeX entry:

```
@book{knuth1984texbook,  
    author = {Donald E. Knuth},  
    title = {The TeXbook},  
    year = {1984},  
    publisher = {Addison-Wesley}  
}
```

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A. Appendix Example

Appendices use the same chapter structure. They're automatically labeled A, B, C, etc.

A.1. Additional Data

Extra information that doesn't fit in the main text.

A.2. Supplementary Code

```
1 #!/bin/bash
  # Build script example
  latexmk -pdf main.tex
```

Symbols

\printglossary doesn't work with the `record=only` package option use
\printunsrtglossary[`type=symbols`]
instead (or change the package option). This message will be removed once the problem has been fixed.

Numbers

\printglossary doesn't work with the `record=only` package option use

`\printunsrtglossary[type=numbers]`

instead (or change the package option). This message will be removed once the problem has been fixed.

Index

`\printglossary` doesn't work with the `record=only` package option use

`\printunsrtglossary[type=index]`

instead (or change the package option). This message will be removed once the problem has been fixed.

Abbreviations

`\printglossary` doesn't work with the `record=only` package option use

`\printunsrtglossary[type=abbreviations]`

instead (or change the package option). This message will be removed once the problem has been fixed.

Subscripts

`\printglossary` doesn't work with the `record=only` package option use

`\printunsrtglossary[type=subscripts]`

instead (or change the package option). This message will be removed once the problem has been fixed.

Non-printed entries

`\printglossary` doesn't work with the `record=only` package option use

`\printunsrtglossary[type=notprinted]`

instead (or change the package option). This message will be removed once the problem has been fixed.