

# elegant-polimi-thesis documentation

This chapter is the result of the documentation generated from the source code. Since it's not strictly needed to use the template – most of the functions that are to be used are straightforward – it's quite barebones.

The intended section order is as follows:

1. frontmatter
  - a. toc
  - b. list-of-figures
  - c. list-of-tables
  - d. nomenclature
2. mainmatter
3. backmatter
4. acknowledgements
5. appendix

The acknowledgements section can be moved in frontmatter, as one prefers (or as the advisor requests).

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## polimi-thesis

Main formatting function of the template.

### Parameters

```
polimi-thesis(  
  title: str,  
  author: str,  
  advisor: str,  
  coadvisor: str,  
  tutor: str,  
  phdcycle: str,  
  academic-year: str,  
  cycle: str,  
  chair: str,  
  language: str,  
  colored-headings: bool,  
  main-logo: path,  
  body  
) -> content
```

**title** `str`

Title of the thesis.

Default: "Thesis Title"

**author** `str`

Author of the thesis.

Default: "Name Surname"

**advisor** `str`

Advisor of the thesis.

Default: ""

**coadvisor** `str`

Coadvisor of the thesis.

Default: ""

**tutor** `str`

Tutor of the thesis.

Default: ""

**phdcycle** `str`

Deprecated attribute. "Old" academic year. If empty, defaults to "2025 — 2026".

Default: ""

**academic-year** `str`

Academic year of the thesis. If empty, defaults to "2025".

Default: ""

**cycle** `str`

Cycle of the thesis.

Default: `none`

**chair** `str`

Chair of the thesis (not used).

Default: `none`

**language** `str`

Language of the thesis.

Default: `"en"`

**colored-headings** `bool`

Whether to activate the colored headings or not.

Default: `true`

**main-logo** `path`

Path of the main logo of the thesis (default: "Scuola di Ingegneria Industriale e dell'Informazione").

Default: `"img/logo_ingegneria.svg"`

## frontmatter

Frontmatter section. Similar to  $\LaTeX$ 's `\frontmatter`. It sets the page numbering to "i" and numbering: `none` for headings.

### Parameters

`frontmatter`(body) -> `content`

## acknowledgements

Acknowledgements section. It sets numbering: `none` for headings.

### Parameters

`acknowledgements`(body) -> `content`

## mainmatter

Mainmatter section. Similar to  $\LaTeX$ 's `\mainmatter`. It sets to page numbering to "1", numbering: `"1.1"` for headings and resets the page counter.

### Parameters

`mainmatter`(body) -> `content`

## appendix

Appendix section. Similar to  $\text{\LaTeX}$ 's `\appendix`. It sets numbering: "A.1" for headings and resets their counter.

### Parameters

`appendix`(body) -> content

## backmatter

Backmatter section. Similar to  $\text{\LaTeX}$ 's `\backmatter`. It sets numbering: none for headings.

### Parameters

`backmatter`(body) -> content

## nomenclature

Displays a simple nomenclature with keys and values.

### Parameters

```
nomenclature(  
    dict: dictionary,  
    indented: bool  
) -> content
```

**dict** dictionary

Dictionary that hold keys and values.

**indented** bool

Whether to indent or not the nomenclature.

Default: true

## theorems-init

Utility function to initialize the theorem environments<sup>1</sup>:

- theorem
- proposition
- lemma
- remark

### Parameters

`theorems-init`(body) -> content

---

<sup>1</sup>Provided by great-theorems package.

## subfigure

Creates a new subfigure with the given arguments and an optional label. From hallon package.

### Parameters

```
subfigure(  
  ..args,  
  outlined: bool,  
  label: str,  
  body  
) -> content
```

**outlined**    bool

Whether to outline this subfigure or not.

Default: false

**label**    str

Unique label to reference this subfigure

Default: none

## bluepoli    color

Signature PoliMi colour (■), used in headings and labels.

## toc

Table of contents. It's custom built upon `outline()`.

## list-of-figures    content

List of figures. Similar to  $\text{\LaTeX}$ 's `\listoffigures`.

## list-of-tables    content

List of tables. Similar to  $\text{\LaTeX}$ 's `\listoftables`.

## theorem    content

Theorem block.

**proposition** content

Proposition block.

**lemma** content

Lemma block.

**remark** content

Remark block.

**proof** content

Proof block.