

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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keywords-banner

Draw the keywords banner.

Parameters

`keywords-banner`(body: `content`) -> `content`

body `content`

Body of the banner.

polimi-thesis

Main formatting function of the template.

Parameters

```
polimi-thesis(  
  title: str,  
  author: str,  
  advisor: str,  
  coadvisor: str arr,  
  tutor: str,  
  academic-year: str,  
  cycle: str,  
  chair: str,  
  language: str,  
  colored-headings: bool,  
  logo: path,  
  frontispiece: str,  
  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: "Prof. Advisor"

coadvisor str or arr

Coadvisor(s) of the thesis.

Default: "Prof. Coadvisor"

tutor str

Tutor of the thesis.

Default: "Prof. Tutor"

academic-year str

Academic year of the thesis. If empty, defaults to '2024-2025'.

Default: ""

cycle `str`

Cycle of the thesis.

Default: `none`

chair `str`

Chair of the thesis.

Default: `none`

language `str`

Language of the thesis.

Default: `"en"`

colored-headings `bool`

Whether to activate the colored headings and captions (such as Figure n, Table n...) or not.

Default: `true`

logo `path`

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

Default: `"img/logo_ingegneria.svg"`

frontispiece `str`

Frontispiece of the thesis. Can be either: `phd`, `cs-eng-master` or `classical-master`.

Default: `"phd"`

polimi-article-format-thesis

The thesis article format styling function.

Parameters

```
polimi-article-format-thesis(  
  title: str,  
  author: str,  
  advisor: str,  
  coadvisor: str array,  
  academic-year: str,  
  student-id: str,  
  course: str,  
  language: str,  
  abstract: content,  
  keywords: str,  
  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: "Prof. Name Surname"

coadvisor str or array

Coadvisor(s) of the thesis.

Default: "Prof. Name Surname"

academic-year str

Academic year of the thesis. If empty, defaults to '2024-2025'.

Default: ""

student-id str

Student ID.

Default: "00000000"

course `str`

Student course.

Default: "Course Engineering"

language `str`

Language of the thesis.

Default: "en"

abstract `content`

Abstract.

Default: []

keywords `str`

Keywords, that appear below the abstract (and in the PDF metadata).

Default: ""

logo `path`

Logo of the thesis.

Default: "img/logo_ingegneria.svg"

polimi-executive-summary

The executive summary styling function.

Parameters

```
polimi-executive-summary(  
  title: str,  
  author: str,  
  advisor: str,  
  coadvisor: str array,  
  academic-year: str,  
  course: str,  
  language: str,  
  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: "Prof. Name Surname"

coadvisor `str` or `array`

Coadvisor(s) of the thesis.

Default: "Prof. Name Surname"

academic-year `str`

Academic year of the thesis. If empty, defaults to '2024-2025'.

Default: ""

course `str`

Student course.

Default: "Course Engineering"

language `str`

Language of the thesis.

Default: "en"

logo `path`

Logo of the thesis.

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", heading numbering to "1.1" and resets the page counter.

Parameters

`mainmatter`(body) -> `content`

appendix

Appendix section. Similar to \LaTeX 's `\appendix`. It sets heading numbering to "A.1" and resets their counter.

Parameters

`appendix`(body) -> `content`

backmatter

Backmatter section. Similar to \LaTeX 's `\backmatter`. It sets heading numbering to `none`.

Parameters

`backmatter`(body) -> `content`

nomenclature

Displays a simple nomenclature with keys and values.

```
#nomenclature((  
  "Polimi": "Politecnico di Milano",  
  "CdL": "Corso di Laurea",
```

```
"CCS": "Consigli di Corsi di Studio",
"CFU": "Crediti Formativi
Universitari",
))
```

Nomenclature

<i>POLIMI</i>	Politecnico di Milano
<i>CDL</i>	Corso di Laurea
<i>CCS</i>	Consigli di Corsi di Studio
<i>CFU</i>	Crediti Formativi Universitari

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 environments¹:

- theorem
- proposition
- lemma
- remark

Parameters

```
theorems-init(body) -> content
```

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
```

¹Provided by great-theorems package.

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 \LaTeX 's `\listoffigures`.

list-of-tables `content`

List of tables. Similar to \LaTeX 's `\listoftables`.

theorem `content`

Theorem block.

proposition `content`

Proposition block.

lemma content

Lemma block.

remark content

Remark block.

proof content

Proof block.