

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).

User designated functions

keywords-banner	1	theorems-init	8
polimi-thesis	1	subfigure	8
polimi-article-format-thesis	3	bluepoli	9
polimi-executive-summary	5	toc	9
frontmatter	6	list-of-figures	9
acknowledgements	6	list-of-tables	9
mainmatter	7	theorem	9
appendix	7	proposition	9
backmatter	7	lemma	9
nomenclature	7	remark	9
		proof	9

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,  
    academic-year: str,  
    tutor: str,  
    cycle: str,  
    chair: str,  
    student-id: str,  
    course: str,  
    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: "Advisor"

coadvisor str or arr

Coadvisor(s) of the thesis.

Default: "Coadvisor"

academic-year str

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

Default: ""

tutor str

Tutor of the thesis.

Default: "Tutor"

cycle str

Cycle of the thesis.

Default: "XXV"

chair str

Chair of the thesis.

Default: "Chair"

student-id str

Student ID.

Default: "00000000"

course str

Student course.

Default: "Course Engineering"

logo path

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

Default: "img/logo_ingeieria.svg"

frontispiece str

Frontispiece of the thesis. Can be either: phd, deib-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,  
    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: "XXXXXXXXXX Engineering - Ingegneria XXXXXXXXXXXX"

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_ingeegneria.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,  
    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: "XXXXXXXXXX Engineering - Ingegneria XXXXXXXXXXXX"

logo path

Logo of the thesis.

Default: "img/logo_ingegneria.svg"

frontmatter

Frontmatter section. Similar to L^AT_EX'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 L^AT_EX'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 L^AT_EX's `\appendix`. It sets heading numbering to "A.1" and resets their counter.

Parameters

```
appendix(body) -> content
```

backmatter

Backmatter section. Similar to L^AT_EX'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

POLIMI	Politecnico di Milano
CdL	Corso di Laurea
CCS	Consigli di Corsi di Studio
CFU	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
```

outlined `bool`

Whether to outline this subfigure or not.

Default: `false`

label `str`

Unique label to reference this subfigure

Default: `none`

¹Provided by `great-theorems` package.

bluepoli

Signature PoliMi colour () used in headings and labels.

toc

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

list-of-figures

List of figures. Similar to L^AT_EX's `\listoffigures`.

list-of-tables

List of tables. Similar to L^AT_EX's `\listoftables`.

theorem

Theorem block.

proposition

Proposition block.

lemma

Lemma block.

remark

Remark block.

proof

Proof block.