

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.

User designated functions

polimi-thesis	1
polimi-article-format-thesis	3
polimi-executive-summary	4
frontmatter	6
acknowledgements	6
mainmatter	6
appendix	6
backmatter	6
nomenclature	7
theorems-init	7

subfigure	7
toc	8
list-of-figures	8
list-of-tables	8
theorem	8
proposition	8
lemma	9
remark	9
proof	9
banner	9
bluepoli	9

polimi-thesis

The main thesis formatting function.

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: "phd" "deib-phd" "cs-eng-master" "classical-master",  
    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_ingeegneria.svg"`

frontispiece `"phd" or "deib-phd" or "cs-eng-master" or "classical-master"`

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: "0000000000"

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: "word, word, word"

logo `path`

Logo of the thesis.

Default: "img/logo_ingeieria.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

<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.

¹Provided by `great-theorems` 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`

toc content

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

list-of-figures content

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

list-of-tables content

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

theorem content

Theorem block.

proposition content

Proposition block.

lemma `content`

Lemma block.

remark `content`

Remark block.

proof `content`

Proof block.

banner

Draw a banner.

Parameters

`banner`(`body`: `content`) \rightarrow `content`

body `content`

Body of the banner.

bluepoli `color`

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