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 are straightforward – it's quite barebones.

User designated functions

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_ingegneria.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: `"00000000"`

course `str`

Student course.

Default: `"Xxxxxxxxxxxx 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_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,
  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: `"Xxxxxxxxxxxx Engineering - Ingegneria Xxxxxxxxxxxx"`

> **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

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 environments[1]:
- 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.

---

[1]Provided 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 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.

banner

Draw a banner.

Parameters

`banner(body: content ) -> content`

> **body** `content`
>
> Body of the banner.

bluepoli `color`

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