modern-um-thesis

Typst thesis template for University of Macau.

Contents

Top Level
Entry point
- documentclass()

documentclass

All functions and variables to be used in the Typst thesis template for University of Macau.

Parameters

```
documentclass(
  doctype: "doctor" "master" "bachelor" ,
  date: datetime ,
  lang: "en" "zh" "pt" ,
  double-sided: bool ,
  print: bool ,
  info: dictionary
) -> dictionary
```

doctype   `"doctor"` or `"master"` or `"bachelor"`

Type of thesis

Default: `"doctor"`

date   `datetime`

Date of submission

Default: `datetime.today()`

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Master's theses must be written in English.

If you choose "master" doctype, DO NOT select the other 2 languages.

Default: `"en"`

double-sided   `bool`

Enable double-sided printing

For Doctoral theses, double-sided printing is required (i.e. please set to true).

For Master's and Bachelor's theses though, single-sided printing is strongly recommended, but double-sided printing is still allowed.

Default: `true`

print `bool`

Add margins to binding side for printing

In most cases, this should be set to true.

Default: `true`

---

info `dictionary`

Thesis information, including:

`title-en`: Title of Thesis, **required**
`title-zh`: 论文标题
`title-pt`: Título da Tese
`author-en`: Name of Author, **required**
`author-zh`: 作者姓名
`author-pt`: Nome do Autor
`degree-en`: Degree Title, **required**
`degree-zh`: 学位名称
`degree-pt`: Doutorado
`academic-unit-en`: Name of Academic Unit, **required**
`academic-unit-zh`: 学术单位名称
`academic-unit-pt`: Nome da Unidade Acadêmica
`supervisor-en`: Name of Supervisor, **required**
`supervisor-zh`: 导师姓名
`supervisor-pt`: Nome do Supervisor
`co_supervisor-en`: Name of Co-Supervisor
`co_supervisor-zh`: 共同导师姓名
`co_supervisor-pt`: Nome do Co-Supervisor
`department-en`: Name of Department
`department-zh`: 系名称
`department-pt`: Nome do Departamento

Apart from all **required** entries above, if you choose a language other than "en", you must also provide translations for all **required** entries in that language.

Default: `(:)`

Layouts
Global Document Settings

- doc()

doc
Document metadata & global settings

Parameters

```
doc(
  doctype: "doctor" "master" "bachelor" ,
  lang: "en" "zh" "pt" ,
  double-sided: bool ,
  print: bool ,
  info: dictionary ,
  body: content
) -> content
```

doctype   `"doctor"` or `"master"` or `"bachelor"`

Type of thesis

Default: `"doctor"`

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Default: `"en"`

double-sided   `bool`

Enable double-sided printing

Default: `true`

print   `bool`

Add margins to binding side for printing

Default: `true`

info   `dictionary`

Thesis information

Default: `(:)`

Front Matter Environment

- frontmatter()

frontmatter

Set up front matter environment

Parameters

```
frontmatter(
  doctype: "doctor" "master" "bachelor" ,
  lang: "en" "zh" "pt" ,
  body: content
) -> content
```

doctype   `"doctor"` or `"master"` or `"bachelor"`

Type of thesis

Default: `"doctor"`

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Default: `"en"`

Main Matter Environment

- mainmatter()

mainmatter

Set up main matter environment

Parameters

```
mainmatter(
    doctype: "doctor" "master" "bachelor",
    lang: "en" "zh" "pt",
    body: content
) -> content
```

doctype   `"doctor"` or `"master"` or `"bachelor"`

Type of thesis

Default: `"doctor"`

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Default: `"en"`

Appendix Environment

- appendix()

appendix

Set up appendix environment.

Example:

```
#show: appendix
= Appendices <appendices>
== What do I put in here <section>
Material that is related to, but\ not
appropriate for, inclusion in\ the text,
can be placed in the\ appendices. They
must meet the\ formatting requirements
described\ in this document.
```

Appendix A Appendices

A.1. What do I put in here

Material that is related to, but not appropriate for, inclusion in the text, can be placed in the appendices. They must meet the formatting requirements described in this document.

Parameters

```
appendix(
  doctype: "doctor" "master" "bachelor" ,
  lang: "en" "zh" "pt" ,
  body: content
) -> content
```

---

doctype   "doctor" or "master" or "bachelor"

Type of thesis

Default: `"doctor"`

---

lang   "en" or "zh" or "pt"

Language of the thesis

Default: `"en"`

Pages
Cover Page (PhD)

• cover-phd()

cover-phd

Generate cover page for PhD thesis

Parameters

```
cover-phd(
  date: datetime ,
  lang: "en" "zh" "pt" ,
  double-sided: bool ,
  info: dictionary
) -> content
```

---

date   datetime

Date of submission

Default: `datetime.today()`

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Default: `"en"`

double-sided   `bool`

Enable double-sided printing

Default: `true`

info   `dictionary`

Thesis information, including:

Default: `(:)`

Declaration Page (PhD)

- declare-phd()

declare-phd

Generate declaration page for PhD thesis

Parameters

```
declare-phd(
  date: datetime ,
  lang: "en" "zh" "pt" ,
  double-sided: bool
) -> content
```

lang   `"en"` or `"zh"` or `"pt"`

Language of the thesis

Default: `"en"`

double-sided   `bool`

Enable double-sided printing

Default: `false`