

# Manual

## Metadata

Here is a list of the metadata fields than can (and should) be used in the YAML header of your quarto document to make use of the features of this template.

Existing fields from quarto that have an effect on the output:

| Field                     | Description   |
|---------------------------|---|
| <code>title</code>        | Title of the thesis   |
| <code>subtitle</code>     | Optional subtitle   |
| <code>keywords</code>     | Optional list of keywords for the titlepage                   |
| <code>lang</code>         | Language of the thesis, only <b>en</b> or <b>de</b> supported |
| <code>bibliography</code> | the .bib file containing bibtex entries                       |
| <code>author</code>       | multiple authors supported as a YAML list                     |

Note that switching the `lang` field will also change the language of some of the automatically generated text. For example, ZHAW will displayed as follows depending on the `lang` field:

- German (default): “ZÜRCHER HOCHSCHULE FÜR ANGEWANDTE WISSENSCHAFTEN”
- English: “ZURICH UNIVERSITY OF APPLIED SCIENCES”

Additional fields provided by this template:

| Field                        | Description  |
|------------------------------|--|
| <code>institut</code>        | in titlecase, e.g. “Institut für Umwelt und Natürliche Ressourcen” |
| <code>thesis-type</code>     | e.g. “Projektarbeit 2”   |
| <code>degree-type</code>     | e.g. “Bachelorstudiengang”   |
| <code>study-year</code>      | e.g. “2009”  |
| <code>submission-date</code> | e.g. “2024-12-15”  |
| <code>study-direction</code> | e.g. “Umweltingenieurwesen”  |
| <code>correctors</code>      | with title, name and affiliation                                   |

| Field                     | Description   |
|---------------------------|---|
| <code>confidential</code> | <code>true</code> marks the thesis as confidential. default is <code>false</code> |
| <code>cover-image</code>  | optional. Has configurable sizing options (see example below)                     |

## Cover Image Configuration

Basic usage:

```
cover-image:
  src: cover.png
  max-width: 100%
  max-height: 5cm
```

①  
②  
③

- ① src: Path to the image file
- ② Maximum width constraint (optional, default 100%)
- ③ Maximum height constraint (optional, default 5cm)

## Default settings

The template sets a number of default settings to match the [ZHAW requirements](#). These include:

```
citeproc: true
section-numbering: "1.1."
number-depth: 2
toc: false
execute:
  echo: false
  warning: false
  error: true
```

①  
②  
③  
④  
⑤  
⑥  
⑦  
⑧

- ① Use Pandoc's citation processing rather than typst's built in style [more information](#)
- ② Number sections in the decimal style
- ③ Only number the first two header levels
- ④ Don't render a table of content automatically
- ⑤ Sets the cell execution options
- ⑥ Don't show the chunk code in the document

- ⑦ Don't show warnings from code chunks
- ⑧ Don't stop the rendering process if an error occurs in the code chunk. Rather, just show the error in the output document

**i** todo

Resolve how fonts are handled in quarto / typst.

- **Default:** Arial 11pt (meets ZHAW requirements)
- **Built-in fallbacks:** Arial → Helvetica Neue → Helvetica → Liberation Sans → DejaVu Sans → Noto Sans
- **Easy override:** Set `mainfont` and `fontsize` in your YAML frontmatter
- **Example override:**

```
mainfont: "Times New Roman"
fontsize: 12pt
```

- **Local fonts:** Place font files (.ttf/.otf) in `_extensions/zhaw-lsfm/fonts/` directory for guaranteed availability

## Shortcodes

- To insert a list of figures: `{{< list-of-figures >}}`
- To insert a list of tables: `{{< list-of-tables >}}`
- To insert a bibliography: `{{< references >}}`
- To insert a table of contents: `{{< table-of-contents >}}`