



# TUD $\LaTeX$ templates overview and installation instructions

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TUD provides corporate design  $\LaTeX$  classes and example templates for most of the document types you will need. Over time, and with some changes to the TUD corporate design (CD), there are multiple options of differing recency. The current official TUD CD package is `tudscr` (*tudscr*) which can be found in official  $\LaTeX$  packages. This contains most but not all types of documents. The older version of the templates (*Vorlagen*) contains all document types, but is out of date and not part of any official packages. Additionally, there is a more recent math poster and beamer package called *tud-cd*. In the following I will provide a more in depth overview of and reference to these packages.

## tudscr

This is the most recent TUD CD package. The classes are

- *tudscrbook* for books, e.g. dissertations
- *tudscrreprt* for reports, e.g. Bachelor and Master theses
- *tudscrtcl* for articles, e.g. letters
- *tudscrposter* for posters, e.g. conference posters

and the example templates are for

- documents (*document.tex*)
- treatises (*treatise-example.tex*)
- posters (*poster.tex* and *poster\_print.tex*)
- theses (*thesis.tex*)
- dissertations (*dissertation.tex*)

- task description for students (*task.tex*)
- job postings (*notice.tex*)
- student evaluations ('Gutachten') (*evaluation.tex*)

The latex package is called 'tudscr' and is part of 'texlive-core' (might be in some other texlive package depending on your OS). If you are on a linux system, you can just install 'texlive-core' via your package manager. The official TUD font is 'opensans', which is part of the 'texlive-fontsextra' package, which you can also install via your package manager, if it is not already installed on your system.

The official latex package site for 'tudscr' can be found here: <https://www.ctan.org/pkg/tudscr> where you can also download the complete source, documentation, and example templates. Some more detailed installation instructions and additional config files, e.g. for Lyx, can be found here: <http://wwwpub.zih.tu-dresden.de/~fahan/tudscr/index.php>. Additionally, tudscr can be found on github here: <https://github.com/tud-cd/tudscr>

You find the example templates in 'tudscr/source/doc/examples'. Note, that 'treatise.tex' is the most exhaustive example which is the best to refer to if you don't know how to do something. Under 'tudscr/doc' you also find a file called tudscr.pdf which is a long and detailed introduction and documentation of the package.

## Vorlagen

This is an old latex templates package from 2012, but more exhaustive than the current tudscr package. The classes are

- *tudletter* for letters, e.g. cover and rebuttal letters
- *tudhaus* for in house communication
- *tudfax* for when you want to use a fax machine
- *tudform* for articles
- *tudbook* for books, e.g. theses and dissertations
- *tudbeamer* for beamer presentations

and each class comes with an example file

- letter class tudletter (*bspBrief.tex*)
- in house communication class tudhaus (*bspHaus.tex*)
- fax class tudfax (*bspFax.tex*)
- article class tudform (*bspForm.tex*)
- book class tudbook (*bspBook.tex*)
- presentation class tudbeamer (*bspBeamer.tex*)
- additionally, there is a thesis example (*bspThesis.tex*)

The examples are more exhaustive than the ones of the tudscr class and are worth checking out. Since the package is not part of any official latex package, the files have to be downloaded and installed manually. You find package for download here: [https://tu-dresden.de/intern/services-und-hilfe/ressourcen/dateien/kommunizieren\\_und\\_publizieren/corporate-design/cd-vorlagen/Latex/Vorlagen](https://tu-dresden.de/intern/services-und-hilfe/ressourcen/dateien/kommunizieren_und_publizieren/corporate-design/cd-vorlagen/Latex/Vorlagen). The classes are in *vorlagen\_20120805.zip*, and the examples in *anhaenge\_20120805.zip*. There is also a very exhaustive documentation in *Handbuch.pdf*, which is unfortunately in German.

In order to install this package in linux, you have the choice to install it locally or globally. To install locally, you can make a subfolder called 'tud' in the directory `~/texmf/tex/latex`. If you want to install globally, create a folder called 'tud' in `/usr/share/texmf/tex/latex` (may vary by distribution, look for a folder called texmf if it is not in `/usr/share`). Then copy the contents of *vorlagen\_20120805.zip* into your newly created tud folder. To update the latex search path, run 'mktexlsr' afterwards (run with sudo if you install globally).

For Windows installation instructions see *Handbuch.pdf*.

Please note that this package relies on the old TUD CD font which is not available any longer. In order to fix this issue, put `\RequirePackage{fix-tudscrfonts}` as the first line of your document.

In general, it is recommended to use the newest templates from tudscr, and only use this out of date package if the document type you want to use is not contained in tudscr, like e.g. the letter class.

## **tud-cd**

Additionally, there is a newer beamer template, if you want to use  $\LaTeX$  for your presentations. It can be found here: <https://github.com/tud-cd/tud-cd> and in the subfolder 'tud-cd' of this folder. In 'tud-cd/doc/latex/tud-beamerstyle' you find extensive examples and templates for any fancy slide wishes you might have.