

# Scientific Writing with LaTeX

Part of **CEPLAS Grad School** offer

Place and Time: **25.32.03.21** (QTB Institute meeting room)

**May 18 2016, Wednesday 15:30-18:30**

**May 19 2016, Thursday 15:00-18:00**

**May 20 2016, Friday 10:00-13:00 & 14:00-17:00**

Contact: **succurro [AT] hhu.de** ; Office **25.32.03.26**

Doodle about dates and OS: <http://doodle.com/poll/gbhcke5uzzfq3k9i>

## Aim of the 2-day course

These lectures are aimed at early-stage scientists with little or no previous experience with the LaTeX markup language. At the end of the course the participants will know how to structure a document, how to include the most commonly used floating environments, how to manage bibliographic references and what extra packages they can use. Depending on time availability we will take a look at templates for theses and templates from scientific journals that ask you to send your work in LaTeX format.

## Why should you write your thesis with LaTeX

Because (La)TeX was created to produce beautiful and professional texts. If this is not enough, consider the hassle of bibliography management: LaTeX does it for you. Think also about how often you will want to rearrange your content: LaTeX will take care of figures, tables, chapters and sections numbering. You can easily have hyper-references in your .pdf file and navigation through your document will be a piece of cake.

## Other programs that work well with LaTeX

- If you use [mendeley](#) to manage your literature collection, you can export your references in bibTeX format and use it directly for your document
- Any kind of computer language - I obtain resume .tex files automatically from scripts

## Shared Material

[material.zip](#)

[Material for LaTeX](#): Slides and additional material

## Instructions

It is mandatory to arrive with a working LaTeX installation. This includes an editor of your choice, you can try different ones and opt for the preferred one. Here you can find installation instructions and a list of some available editors, but feel free to google and choose others. I only use Linux OS but if you have troubles with installation on Windows/Mac machines please get in touch reasonably soon.

## Linux installation

Usually Linux OS come already with a LaTeX installation, check by running

```
$ latex
```

from shell. In order to have already the most commonly used packages installed it is recommended to extend the basic installation. In Fedora systems do

```
$ dnf install texlive-collection-latexrecommended texlive-collection-latexextra
```

In Debian systems do

```
$ apt-get install texlive-latex-recommended texlive-collection-latexextra
```

## Windows installation

Follow instructions in <http://www.howtotex.com/howto/installing-latex-on-windows/>

## Mac installation

Follow instructions in <http://www.howtotex.com/howto/installing-latex-on-mac-os-x/>