

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

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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/>