

LaTeX: an introduction

overview

Course philosophy

LaTeX is too extensive to cover in just a couple of hours!

You can become a TeXspert if you want, but there are huge advantages to just being a TeXnician (<https://eveofdiscovery.com/wp-content/uploads/2018/01/LaTeX-bootcamp.pdf>)

- It is an introductory course to get you started in using LaTeX.
- Get a basic working knowledge of using LaTeX to write documents.
 - Learn the basic commands.
 - Overview of more advanced features.
- **Work/Learn by example.**
 - Experiment with small examples.
 - Experiment as much as possible!

LaTeX: topics

Getting started

- What is needed? Local installation vs Web service
- LaTeX cycle
- Getting Help

Setting the scene

- Some history
- What is LaTeX?

LaTeX oriented editor

- TeXstudio

LaTeX: topics

First document

- LaTeX commands
- documentclass
- Document structure

Text manipulation

- Emphasizing text
- Font manipulation
- Symbols
- Etc.

Text layout

- Text alignment
- Lists
- Fills and spaces

LaTeX: topics

Mathematics

Adding images and tables

- Images
- Tables
- Floats

Modular organization

- input
- include

LaTeX: topics

Large projects

- Include pdf's
- Cross referencing
- Index
- Hyperlinks
- Glossaries
- Etc.

Bibliography

- thebibliography
- Bibliographic management software
- Bibtex
- Biblatex

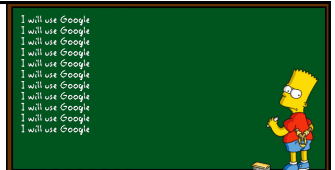
Extra

- Own commands
- Packages
- Etc.

LaTeX: topics



Thanks!



- Most of the information was gathered from different internet sources and therefore no originality is claimed.
- A lot of inspiration was found in the course notes of:
 - Gordon Pace (University of Malta)
(<http://www.cs.um.edu.mt/gordon.pace/Teaching/LaTeX/2016-10-LaTeX.pdf> - last access 2023-08-17)
 - A-eskwadraat (<https://texnicie.nl/> - last access 2023-08-17)
 - Tom Schenk Jr. (<http://tomschenkjnr.net/latex-tutorial/> - last access 2023-08-17)
 - Nicola Talbot (<https://www.dickimaw-books.com/people/nicola-talbot.html> - last access 2023-08-17)
 - Denis Bitouzé (<https://mt2e.univ-littoral.fr/Members/denis-bitouze/pub/latex/diapositives-cours-d> - last access 2023-08-17)