

# LATEX TUTORIAL



Ilia Markov

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## OUTLINE

- LaTeX and [www.overleaf.com](http://www.overleaf.com)
- Basic LaTeX commands
- Set up your LaTeX template

# LATEX

- LaTeX is a tool used to create professional-looking documents
- LaTeX VS. Microsoft Word text editor
  - Separate the content from the format of your document (LaTeX takes care of the formatting)
  - Efficient and fully automated text formatting with template classes: the end-product looks professional
  - Ease of working with citations/references, cross-referencing
  - Formatting scientific notations including formulas and equations
  - Automated indexing, table of contents
  - Extensive online support: documentation, e.g., <https://tex.stackexchange.com/>

# OVERLEAF.COM

- Overleaf: online LaTeX editor
- Starting Overleaf
  - Sign in to [www.overleaf.com](http://www.overleaf.com) and upload your project (LaTeX template is provided, .zip file)
  - Panel on the left lists all the documents in the project
  - Code in the editor (**COLI-manual3.tex file**) → compile (transform your code into PDF) → formatted PDF
  - References in the **.bib file**
  - Share/download PDF

# BASIC LATEX COMMANDS

- Preamble and body of a document
- Title and author information
- Comments
- Bold, italics and underlining
- Basic formatting: abstract, sections, subsections, paragraphs
- Lists
- Equations
- Images
- Tables: <https://www.tablesgenerator.com>
- Captions, labels, references, citations (.bib file)

# SET UP YOUR TEMPLATE

- For the final submission:
  - Title page (titlepage.tex)
  - Plagiarism statement (plagiarism\_statement.tex: on the back side of the title page)
  - Final style rather than manuscript:
    - `\documentclass[final]{clv3}`  
rather than
    - `\documentclass[manuscript]{clv3}`

## **Tutorials:**

<https://www.overleaf.com/learn/latex/Tutorials>

[https://www.overleaf.com/learn/latex/Learn\\_LaTeX\\_in\\_30\\_minutes](https://www.overleaf.com/learn/latex/Learn_LaTeX_in_30_minutes)

[https://www.overleaf.com/learn/latex/Free\\_online\\_introduction\\_to\\_LaTeX\\_\(part\\_I\)](https://www.overleaf.com/learn/latex/Free_online_introduction_to_LaTeX_(part_I))

## **Questions:**

ilia.markov@uantwerpen.be