

# LaTeX Course Topics

- Day 1
- Introduction to LaTeX, MiKTeX and WinEdt
  - Text, Symbols and Commands (environments, declarations, packages, characters, hyphenation).
  - Document Layout (page style, headings, paragraph formatting, multicolumns, document structure, table of contents, labels and references)
- Day 2
- Displaying Text (font style, size, justification, lists)
  - Text in Boxes (boxes, footnotes)
  - Tables
  - Graphics

# LaTeX Course Topics

- Day 3
- Mathematical Formulas
  - Defining you own Commands
- Day 4
- Theorem, Proposition, Lemma
  - Master Index
  - Citations and Bibliography
  - Fonts
  - Writing a Letter
  - Inserting Programming Code
  - Creating a PDF Presentation

# Advanced $\text{\LaTeX}$ Course Topics

- Day 1
- WinEdt, Yap, GSView
  - WinEdt Projects
  - MiK $\text{\TeX}$  Package Manager
  - $\text{\LaTeX}$  Search Path
  - Graphics (Excel Charts, Adobe PostScript Driver, Float Placement, PSFrag)

# Advanced $\text{\LaTeX}$ Course Topics

- Day 2
- Special Characters (Input Encoding)
  - Fancy Headers and Footers
  - Chapter and Section Title Appearance
  - Table of Contents Appearance
  - Book Class: Frontmatter and Mainmatter
  - Creating an Interactive PDF File
  - Distinguishing between  $\text{\LaTeX}$  and  $\text{PDF}\text{\LaTeX}$
  - Creating a Master Index
  - Citations and Bibliography
  - Programming Statements
  - PDF Slideshow and Poster
  - Using TrueType Fonts