Lecture 1 - Introduction to LaTeX

LaTeX for Math and Science
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Spring 2011 Week 1

Outline

1 Instructors

2 Enrollment

3 Advantages of LaTeX

4 Installing LaTex / TeX

Contact Information

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Enrollment and Syllabus

Enrollment:

http://latex.berkeley.edu/enrollmentstatus

Syllabus:

http://latex.berkeley.edu

- Customizable
- Easier math equations
- Easy numbering, labeling and citations
- Many packages exist to create other types of documents, e.g. flash cards, music, and Arabic.
- Easy formatting
- Create Powerpoints like this on LaTeX

For Windows:

- Download and install Basic MikTeX 2.9 Installer from
  http://miktex.org/2.9/setup.
- Then download and install TeXnic Center from http:
  //www.texniccenter.org/resources/downloads/
  29-downloads/12-texniccenter-installer

For Mac OS X:

- Download, unzip, and install MacTeX 2010 from
  http://mirror.ctan.org/systems/mac/mactex/
  MacTeX.mpkg.zip.

For *nix Systems, we can discuss this after class.

Assignment 0 - not graded

- Install LaTeXon your personal computer /laptop

Exercise

After your installation, type the following on the console of LaTeX

```
\documentclass{article}

\title{\LaTeX is great}
\author{Place your name here}

\begin{document}
\maketitle
Hello World!
\end{document}
```

Exercise

Look for the Typeset button and click on LATEXthen typeset.
Depending on what type of software you have this icon may
look different. Its usually the PDF icon.
If it doesn't work - don't worry we will help you on our next
meeting.