

Using \LaTeX to prepare slides for oral presentations

Ivelisse Rubio Canabal
Universidad de Puerto Rico

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Outline

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 - Title slide
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- 1 Beamer
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Beamer

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Beamer: Name of the document class to prepare slides

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How to use it: Compile using \LaTeX \implies PDF

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How to use it: Compile using $\text{\LaTeX} \implies \text{PDF}$

Caution!: Some adjustments have to be made to use some commands like, for example, verbatim

Special Commands

- `\documentclass{beamer}`
- `\usetheme{ }`
 - `\usetheme{Warsaw}`
 - `\usetheme{split}`
 - `\usetheme{Frankfurt}`

`\usetheme{Warsaw}` was used to prepare this presentation.

Each slide starts with

```
\begin{frame}
```

and ends with

```
\end{frame}
```

Or you can use

```
\frame{ }
```

Title slide

To produce the slide with the title you can use

```
\title{Using {\LaTeX} to prepare slides for  
oral presentations}  
\author[Rubio]{\bf Ivelisse Rubio Canabal}\  
Universidad de Puerto Rico}  
\date{MSRI-UP\ July 5, 2013}  
  
\begin{document}  
\frame{\titlepage}
```

The last command tells \LaTeX to produce the title page.

Contents outline

```
\begin{frame}  
  
\frametitle{Outline}  
  
\tableofcontents[pausesections]  
  
\end{frame}
```

Pauses

To have a pause after each item in a list use

`\pause`

Example

```
\begin{itemize}
\pause
\item with bullets like this
\pause
\item or with numbers and descriptions
\end{itemize}
```

Pauses

To have a pause after each item in a list use

`\pause`

Example

```
\begin{itemize}
\pause
\item with bullets like this
\pause
\item or with numbers and descriptions
\end{itemize}
```

- with bullets like this

Pauses

To have a pause after each item in a list use

`\pause`

Example

```
\begin{itemize}
\pause
\item with bullets like this
\pause
\item or with numbers and descriptions
\end{itemize}
```

- with bullets like this
- or with numbers and descriptions

You can also use

```
\begin{itemize}
\item<2-> First item.
\item<4-> Third item.
\item<3-> Second item.
\end{itemize}
```

You can also use

```
\begin{itemize}
\item<2-> First item.
\item<4-> Third item.
\item<3-> Second item.
\end{itemize}
```

- First item.

You can also use

```
\begin{itemize}
\item<2-> First item.
\item<4-> Third item.
\item<3-> Second item.
\end{itemize}
```

- First item.
- Second item.

You can also use

```
\begin{itemize}
\item<2-> First item.
\item<4-> Third item.
\item<3-> Second item.
\end{itemize}
```

- First item.
- Third item.
- Second item.

If you want pauses and the current item in red like this

- First item.

you can use

```
\begin{itemize}[<+-|alert@+>]
\item First item.
\item Second item.
\item Third item.
\end{itemize}
```

If you want pauses and the current item in red like this

- First item.
- **Second item.**

you can use

```
\begin{itemize}[<+-|alert@+>]
\item First item.
\item Second item.
\item Third item.
\end{itemize}
```

If you want pauses and the current item in red like this

- First item.
- Second item.
- **Third item.**

you can use

```
\begin{itemize}[<+-|alert@+>]
\item First item.
\item Second item.
\item Third item.
\end{itemize}
```

In the next slide, note the effect of using `<1>` and `<2>`
instead of `<1->` and `<2->`

Theorems

Definition

A **hard working student** is a student that perseveres, completes her work and looks for other directions in her work.

Theorems

Definition

A **Schur positive student** is a student that has a good attitude.

Theorems

Theorem

All 2013 MSRI-UP students are hard working and Schur positive students.

Theorems

Theorem

All 2013 MSRI-UP students are hard working and Schur positive students.

Proof.

See the technical reports.



Verbatim

To use “Verbatim” with Beamer, you have to add the option “fragil”:

```
\begin{frame}[fragile]
```

Do you want to learn other chulerías?

Check the WEB!!!