

# Presenting with Beamer

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# 1 Beamer Basics

```
\documentclass{beamer}

\title{Using Classes and Templates}
\author{Me}
\date{\today}
\institute{A University}
```

```
\begin{document}
\maketitle
```

`\maketitle` works the exact same way, but we can also use the `"\frame{\titlepage}"`.

We also use the `"\institute{A University}"` to specify the institute (???).

```
\begin{frame}{Content}
  \tableofcontents
  We create the toc based on the sections even though those
  are not visible in the frame.
\end{frame}
```

```
\section{Introduction}
\begin{frame}{Title}
  % \frametitle{<title>}
  Some text.
\end{frame}
```

```
\end{document}
```

## 2 How to Structure your Beamer

We are using the block environments inside our beamer.

```
\begin{block}{Theme}\pause % title of the block
  Here are the different things.
\end{block}
```

```
\begin{alertblock}{Important}
  This block is used for important information.
\end{alertblock}
```

```
\begin{example} \pause
  This is an example block, which does not need a title.
  This block can take an optional argument like "[First Example]",
  which will display this text in the color matched "()".
\end{example}
```

We are using "`\pause`" as a next slide indicator. We can display one block on the page and then display like 2 or 3 on the next even though all of them are on the same page. It splits the frame into two frames, where the second starts right after the `\pause` command

We can also use "`\alert{text}`" to highlight a text in the beamer (red but I think this is customizable).

## 3 Styling Your Beamer

### 3.1 Theme

We can change the theme by specifying the theme name in the preamble. "`\usetheme{}`" like: `\usetheme{Hannover}` or `Bergen`.

We can also change only the color with "`\usecolortheme{}`" like: `beetle` or `fly`.

We can also search the gallery which can be accessed here:

[https://deic.uab.cat/~iblanes/beamer\\_gallery/index.html](https://deic.uab.cat/~iblanes/beamer_gallery/index.html)

or here:

<https://no.overleaf.com/latex/templates/tagged/presentation>

## 4 Project: Make a Beamer Presentation

This project will be done in a separate file named "10. Beamer\_Project.tex".