

# **Another LaTeX Beamer Template**

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# Another LaTeX Beamer Template

## Motivation

After the title slide, typically a table of contents is presented. Make it more interesting by firstly **introducing the problem** you are solving afterwards. That could also be on an own slide. Better than a long text like this is an image or keywords. Almost always.

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# Quick Start

Create your first slide:

1. Copy all `*.sty` files into a directory
2. Copy `packages.tex` into the directory
3. Create a `.tex` file and add the code listed below
4. Generate your slide using LaTeX

## Listing 1: Minimal Example

```
\documentclass{beamer}  
\usetheme{upb}  
\input{packages.tex}  
\begin{document}  
\begin{frame} Hello World \end{frame}  
\end{document}
```

# Text Formatting

## Predefined Styles

- ▶ You could **emphasize** important parts  
(Maybe distinguish between **problems** and **solutions**)
- ▶ Highlight “*predefined terms*” like brands and `TechnicalTerms` like software components
- ▶ Use alert to display **warnings**
- ▶ Use the url command for links (<https://upb.de/>) or href ([template](#))

# Text Formatting

## Additional Commands

Use combinations for other concepts:

- ▶ Text styles: **bold**, *italic*, underlined, SMALL CAPS
- ▶ Font families: monospaced, sans serif, roman
- ▶ Text colors: orange, red, purple, darkblue, blue, turquoise, green, gray
- ▶ Text sizes: tiny, scriptsize, footnotesize, small, normalsize, large, Large, LARGE, huge, Huge

# Code Listings & Frame Arguments

Use these arguments to configure frames:

<code>fragile</code>	Specially interpreted contents, e.g. for listings
<code>plain</code>	No headlines, footlines, sidebars; e.g. for large images
	To also remove background images use:
	<code>{\usebackgroundtemplate{}}[...]</code>
<code>squeeze</code>	Squeezes vertical spaces, e.g. for long contents
<code>shrink</code>	Shrinks frame, e.g. for long contents

## Listing 2: Frame Options

```
1 \begin{frame}[fragile]{Code Listings \& Frame
   Arguments}
2 % [...]
3 \end{frame}
```

# Mathematics & Miscellaneous

► Math<sup>1</sup>:  $5^2 = 3^2 + 4^2$

► Equations:

$$\sum_{n=1}^{\infty} \frac{1}{n} = 1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \dots \quad (1)$$

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<sup>1</sup>This is a footnote also working in columns

# Blocks

## This is a Block

- ▶ This is an item
1. This is enumeration item

## This is an Example Block

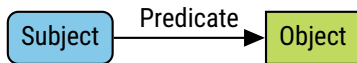
- ▶ This is an item
1. This is enumeration item

## This is an Alert Block

- ▶ This is an item
1. This is enumeration item



# Graphs
















# Appendix

## Predefined Text Colors

- ▶  `textorange`
- ▶  `textred`
- ▶  `textpurple`
- ▶  `textdarkblue`
- ▶  `textblue`
- ▶  `textturquoise`
- ▶  `textgreen`
- ▶  `textgray`

# Appendix

## Predefined UPB Colors

- ▶ Some of the official UPB colors, some are directly used in this template
- ▶ UPB primary:  `upbblue`,  `upbcyan`,  `upbgraylight`,   
`upbgraydark`
- ▶ UPB secondary:  `upb2magenta`,  `upb2blue`,  `upb2green`,  
 `upb2orange`,  `upb2purple`
- ▶ UPB active:  `upbayellow`,  `upbared`,  `upbapurple`,   
`upbaturquoise`
- ▶ UPB color source: [The Colors of UPB \(2018\)](#) and [The Corporate Design Manual \(2016\)](#)

# References I

- [1] J. Wright, V. Miletić, and T. Tantau, “beamer – a latex class for producing presentations and slides.” <https://ctan.org/pkg/beamer>.
- [2] A. Wilke, A. Bannoura, and A.-C. Ngonga Ngomo, “Relicensing Combined Datasets,” in *Proceedings of the 15th IEEE International Conference on Semantic Computing (ICSC)*, 2021.