

# The juniamaroc-beamer class

Installation and reference

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## Abstract

`juniamaroc-beamer` is a Beamer-based class for JUNIA Maroc teaching, student projects and academic presentations. It provides the institutional palette, original logo variants, brand typography and a small set of reusable slide layouts. A separate French slide tutorial demonstrates the features with source code and rendered examples.

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## 1 Installation and compilation

For a local project, keep `juniamaroc-beamer.cls` and `assets/` beside your main document. Start with the supplied starter and compile twice with pdfLaTeX, XeLaTeX or LuaLaTeX. No font files are distributed with this macro package.

```
xelatex juniamaroc-beamer-starter.tex
xelatex juniamaroc-beamer-starter.tex
```

The default font is TeX Gyre Heros. With the option `brandfonts` and XeLaTeX or LuaLaTeX, the class uses the system font families Afacad Flux and Inter Tight if both are installed. Otherwise it selects TeX Gyre Heros automatically. The option `standardfonts` forces this fallback. pdfLaTeX always uses the fallback. See `FONTS.md` for optional font download and installation instructions.

For a personal TEXMF installation, use these directories:

```
tex/latex/juniamaroc-beamer/ (class and PNG assets)
doc/latex/juniamaroc-beamer/ (documentation and examples)
```

Refresh the filename database if needed. Assets are found locally in `assets/` or through TeX's filename lookup.

On Overleaf, import the student archive, choose the starter as the main document and select a PDF engine. The fallback needs no additional font installation. No live Overleaf test is claimed.

## 2 A complete minimal document

```
\documentclass[english]{juniamaroc-beamer}
\title[Short title]{My project}
\subtitle{A student presentation}
\author{Student Name}
\institute{JUNIA Maroc}
\date{\today}
\begin{document}
\maketitle
\section{Introduction}
\begin{frame}{A precise question}
\begin{itemize}
\item Explain the context.
\item State the objective.
\end{itemize}
\end{frame}
\juniaclosing[Thank you]{Questions?}
\end{document}
```

The class inherits Beamer's metadata and content environments. Do not load Beamer or the earlier experimental JUNIA theme separately. The institute defaults to JUNIA Maroc. Supply your own title, author, subtitle and date.

## 3 Class options

| Option                      | Effect                                        |
|-----------------------------|-----------------------------------------------|
| <code>french</code>         | French Babel support (default).               |
| <code>english</code>        | English Babel support.                        |
| <code>standardfonts</code>  | TeX Gyre Heros (default).                     |
| <code>brandfonts</code>     | Try optional installed institutional fonts.   |
| <code>nologo</code>         | Disable institutional logo and symbol images. |
| <code>nosectionpages</code> | Disable automatic section dividers.           |
| <code>noprogress</code>     | Hide the bottom progress rule.                |

Other options pass through to Beamer. Defaults are 16:9 and 10pt; for example `aspectratio=43` selects 4:3 and `handout` combines overlays. Content must still fit the selected page size. Long titles, unusually large fonts and dense content may need manual line breaks or additional frames.

## 4 Layout commands

`\maketitle` Creates a full title frame. Call it outside a frame. For custom title-frame control use `\titlepage` inside a plain frame.

`\juniasectionpage` Creates a numbered section divider, automatically called by the default section hook.

`\juniaquote{message}{source}` Creates a dark message slide. It counts toward the frame total.

`\juniaclosing[heading]{message}` Creates a dark closing slide; the default heading is “Merci !”. In an English document pass an English heading explicitly.

These commands create frames and must not be nested inside another frame. Title, section and closing frames use `noframenumbering`. Content frames count normally. The progress bar measures frame position rather than raw PDF page position, so overlays do not advance it. Beamer’s `allowframebreaks` continuations follow its normal numbering behavior. Two compilations are required for totals and cross-references.

### 4.1 Custom section hooks

An author-defined `\AtBeginSection` hook replaces the default hook. For example, use a table of contents with `currentsection` instead of the numbered divider. Use `nosectionpages` when no automatic transition is desired.

## 5 Code, figures and mathematics

The class loads `listings`, `graphicx` and `booktabs`. Beamer provides the standard AMS mathematics environments. Listing styles are `junia`, `junia-latex` and `junia-python`.

```
\begin{frame}[fragile]{Python}
  \lstinputlisting[style=junia-python]
    {juniamaroc-beamer-example.py}
\end{frame}
```

Inline `lstlisting` also requires a fragile frame. Listings typesets code; it does not execute Python. For long programs, show selected line ranges across separate frames. The class maps common French accented characters for listings; it does not promise arbitrary Unicode programming language input.

Place photographs or vector figures in `assets/`. Use the following command:

```
\includegraphics[width=\linewidth,keepaspectratio]{file}
```

The supplied synthetic graph is generated from `juniamaroc-beamer-figure.tex` using pdfLaTeX and pgfplots. Its values are illustrative, not research data.

Use `booktabs` rules for tables, `equation` for numbered formulae and `align` for aligned equations. Label and reference formulae in the usual way. The French tutorial includes rendered examples.

## 6 Overlays, continuations and multiple sources

Use `\pause`, `\uncover`, `\only` or `itemize[<+>]` for staged reveals. One frame can produce several PDF pages. With `handout`, reveals are combined according to Beamer's handout rules.

For a continued frame use `[allowframebreaks]` and optional explicit `\framebreak` commands. Do not combine this mode with overlays. Large tables do not automatically split within a tabular; divide them into separate tables/frames. For long code listings, explicit line-range excerpts are recommended.

For a multi-file project, use `\input{sections/method}` in the main document. Included files contain frames and sections, not a second preamble or document environment. Always compile the main file.

## 7 Brand assets and customisation

The palette is defined as `JuniaBlue` (3F536B), `JuniaYellow` (E2E45F), `JuniaSand` (D6C7A0) and `JuniaSky` (C0D4E4). `JuniaLime` aliases the yellow. Headings use Afacad Flux and body text uses Inter Tight under Unicode engines with `brandfonts` when both system font families are installed; otherwise TeX Gyre Heros is used.

The small institutional logotype omits the long school signature, following the supplied charter's minimum-width guidance. Dark layouts use the official white symbol with the yellow curve. Preserve artwork proportions and do not recolour, crop or reconstruct the logos.

`\juniasetup` accepts keys `logo`, `logowhite`, `symbol`, `symbolwhite` for alternative authorised files. Paths are checked in `assets/` and then directly. Missing logos degrade to text or empty symbol areas. The `nologo` option is useful for testing or redistribution without institutional assets.

## 8 Dependencies, licenses and maintenance

Requirements: LaTeX 2020-02-02 or newer, Beamer, iftex, Babel, fontspec (Unicode engines), graphicx, PGF/TikZ, booktabs and listings. The fallback uses tgheros. Building the original illustration requires pgfplots. No font binaries, font sources or font-generation tools are included.

The code, documentation and original examples are copyright 2026 Hatim Naqos, distributed under LPPL 1.3c or later, with maintenance status *maintained*. The current maintainer is Hatim Naqos. No font files are redistributed. Logos carry separate institutional redistribution permission confirmed by the maintainer; they are not LPPL-licensed. See `LICENSE.md`, `FONTS.md` and the full license files.

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