

The kautitle package*

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1 Introduction

The `kautitle` package defines an alternative title page using the logo of Karlstad University. Note that this is not an implementation of the Karlstad University Studies title page, i. e., this alternative title page won't be used for your thesis. The logo is available from

<http://www.kau.se/sites/default/files/image/press/kau-logo-tryck.pdf>

and must be available in L^AT_EX's search path before using this package.

At the moment, this package uses a manually installed font called `aun` and it's bold version `aub`. It might not be available on your system, though, and since the font is licensed, I may not distribute it. If you do not possess the font, you have to switch to another one.

2 Usage

Load the package without options. The title page can be created using `\maketitle`. Note that the previous definition of `\maketitle` is not destroyed, but preserved in the macro `\kut@maketitle`. You can use it in your document as follows:

`\maketitle`
`\kut@maketitle`

```
\makeatletter
\kut@maketitle
\makeatother
```

Two fonts are used on the title page and can be changed using the macro `\setkautitlefont` `\setkautitlefont{}`. The argument `` accepts key-value pairs where keys are `normalfont` and `titlefont` and values are any sequence of L^AT_EX's font commands. For switching to your standard sans-serif font, you should add these lines to your preamble:

`\setkautitlefont`

```
\setkautitle%
{ normalfont=\sffamily\LARGE
, titlefont=\sffamily\bfseries\Huge }
```

*This document corresponds to `kautitle` v1.1, dated 2011/05/06.

3 Implementation

No package options are accepted.

```
1 \ProcessOptions\relax
```

Load dependencies.

```
2 \RequirePackage{xkeyval}
3 \RequirePackage{tikz}
4 \RequirePackage{hyphenat}
5 \RequirePackage{kaumeta}
```

`\setkautitlefont` The macro `\setkautitlefont` allows to choose another than the default font for the title page. The title page has only two different font settings, `titlefont` which is used for the title text and `normalfont` which is used otherwise.

```
6 \definecmdkeys[kut]{pkg}[kut@]{normalfont,titlefont}
7 \setkeys[kut]{pkg}%
8 { normalfont=\fontfamily{aun}\fontsize{18}{21.6}\selectfont\bfseries
9 , titlefont=\fontfamily{aub}\fontsize{28}{33.6}\selectfont }
10 \newcommand\setkautitlefont[1]{\setkeys[kut]{pkg}{#1}}
```

`\kut@maketitle` Preserve the previous version of `\maketitle`.

```
11 \let\kut@maketitle\maketitle
```

`\maketitle` The title page will consist of two background images (the Karlstad University logo), title, subject, author, and author's institute. Everything will be shaded except the title.

```
12 \renewcommand\maketitle{%
13   \thispagestyle{empty}
14   \begin{tikzpicture}[remember picture, overlay]%
```

Clipping the title page to the dimensions of the logical page. This is interesting when the physical and the logical page do not have the same dimensions.

```
15   \path (current page.north west) +(-4pt,4pt) node (NW) {};
16   \path (current page.south east) +(4pt,-4pt) node (SE) {};
17   \path (current page.north west) +(-3pt,3pt) node (NWC) {};
18   \path (current page.south east) +(3pt,-3pt) node (SEC) {};
19   \path[clip] (NWC) rectangle (SEC);
```

Background images.

```
20   \path (current page.south west) node[rotate=243.5] {\pgfimage{kau-logo-tryck}};%
21   \path (current page.north east) node[rotate=175] {\pgfimage{kau-logo-tryck}};%
```

Subject in the upper left corner of the page.

```
22   \path (current page.north west) node
23     [shift={{(10pt,-12pt)},anchor=south west,rotate=270
24     ,font=\kut@normalfont\vphantom{Xy}}]
25     {\@subject};
```

Institute in the lower right corner of the page.

```
26   \path (current page.south east) node
27     [shift={{(-8pt,6pt)},anchor=north east,rotate=270
28     ,rounded corners,fill=black,text=white,inner sep=8pt
29     ,font=\kut@normalfont\vphantom{Xy}}]
30     {\@shortinstitute};
```

Title bar on vertically centered on the left side of the page.

```

31 \path
32 (current page.east) node[shift={{(-10,0)}}] (A) {}
33 (current page.east) node[shift={{(0,-2.5)}}] (B) {}
34 [shading=axis,left color=white,right color=black] (A) rectangle (B.south east)
35 ;

```

Author below the title bar.

```

36 \path (B) node
37 [anchor=north east
38 ,inner sep=8pt
39 ,text=black
40 ,font=\kut@normalfont\vphantom{Xy}
41 ,text width=14cm,text ragged left]
42 {\@author};

```

Shading over the entire page (slightly bigger than the clipping).

```

43 \path[fill=white,opacity=0.90,transparency group] (NW) rectangle (SE);

```

Title text on the title bar. No hyphens are allowed in the title text.

```

44 \path (B) node
45 [anchor=south east,shift={{(-3pt,0)}}
46 ,text=yellow!75!red
47 ,font=\kut@titlefont\vphantom{Xy}
48 ,text width=14cm,text ragged left]
49 {\nohyphens{\@title}};
50 \end{tikzpicture}%
51 \clearpage%
52 }

```

Change History

v1.0	v1.1
General: SBe's licentiate version . . . 1	General: Initial public release 1

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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