The kaumasters class*

Stefan Berthold
stefan.berthold@kau.se

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1 Introduction

The kaumasters class provides LaTeX defaults and macros which you might find useful for writing a master's thesis at Karlstad University.

2 Usage

Load the class without options.

3 Implementation

No class options are accepted.

```
\ProcessOptions\relax
```

For simplicity, we'll derive everything from the standard `article` class.

```
\LoadClass[a4paper]{article}
```

Load dependencies.

```
\RequirePackage[urw-garamond]{mathdesign}
\RequirePackage[paper=a4,pagesize,twoside=semi]{typearea}
\RequirePackage{kauclear}
\RequirePackage{kaumeta}
```

`\kur@maketitle` Preserve the previous definition of `\maketitle`.

```
\AtBeginDocument{\let\kur@maketitle\maketitle}
```

`\maketitle` Make sure that the title page has a white backside.

```
\renewcommand\maketitle{%
  \kur@maketitle%
  \cleardoublepage%
}
```

Make sure that the table of contents starts on an odd page.

```
\let\kur@tableofcontents\tableofcontents
\renewcommand\tableofcontents{%
```

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

```
  \cleardoublepage%
  \kur@tableofcontents%
}
```

`\frontmatter` Start the frontmatter, beginning with page iii and redefining the abstract environment so that it generates an own section.

```
\newcommand*\frontmatter{%
  \clearpage%
  \setcounter{page}{3}%
  \renewcommand\thepage{\roman{page}}%
  \newcommand\makeworkingtitle{%
    \section*{\@title}%
    \textsc{\@author}\par%
    \noindent\textit{\@institute}%
  }%
  \renewenvironment{abstract}{%
    \section*{Abstract}%
    %\addcontentsline{toc}{section}{Abstract}%
  }{%
    \cleardoublepage%
  }%
}
```

`\mainmatter` Start the mainmatter on page 1.

```
\newcommand\mainmatter[1][]{%
  \cleardoublepage%
  \pagenumbering{arabic}%
  \setcounter{page}{1}%
}
```

Change History

v1.0

General: Initial public release 1

Index

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.

Symbols

`\@author` 23
`\@institute` 24
`\@title` 22

A

`\addcontentsline` . . 28
`\AtBeginDocument` . . . 7

C

`\cleardoublepage` 10, 14, 30, 34
`\clearpage` 18

F

`\frontmatter` 17

K

`\kur@maketitle` . . . 7, 9
`\kur@tableofcontents` 12, 15

L

`\let` 7, 12
`\LoadClass` 2

M

`\mainmatter` 33
`\maketitle` 7, 8

\makeworkingtitle . 21

N

\noindent 24

P

\pagenumbering 35
\par 23
\ProcessOptions 1

R

\relax 1
\renewcommand . 8, 13, 20
\renewenvironment . 26
\RequirePackage . . . 3–6
\roman 20

S

\section 22, 27
\setcounter 19, 36

T

\tableofcontents 12, 13
\textit 24
\textsc 23
\thepage 20