Various chapter styles for the memoir class[*]

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The main idea behind this document is to demonstrate various either contributed or inspired chapter styles for the memoir class.

If you have style you would like to contribute a style/implementation, please send it with a minimal example to daleif+memoir@imf.au.dk and I will include it into this document.

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The visual examples you will find later in this document have all been made using external documents and included as images (eps or pdf). As such, all images are scaled to have the same width as the text in this document, therefore some images are scaled down.

Also, please do not trust the spacing between the chapter title and the start of the following text. This `\afterchapskip`-spacing is silently reduced (to `\onelineskip`) in order to save space, the same goes for `\beforechapskip`.

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In any good chapter style design one should have given a thought at both the normal numbered style as well as the unnumbered style. Therefore the example text features both a numbered chapter and an unnumbered. (I have relaxed `\clearforchapter` in order to have both on the same side.)

The sample text used is

```
════════════════════════════ chapterexample.tex ════════════════════════════
%% LaTeX2e file 'chapterexample.tex'
%% generated by the 'filecontents' environment
%% from source 'MemoirChapStyles' on 2012/04/11.
%%
\let\clearforchapter\par % cheating, but saves some space
\chapter{A chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
a mi.
\par\fancybreak{$**$}\par
\chapter*{A non-numbered chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
a mi.  \thispagestyle{empty}
```

---

[*]Version 1.7e, 2012/04/11

[†]Email: daleif@imf.au.dk

<center>✧ ✧ ✧</center>

If you want to use one of the styles presented in this document, then there is no need to start retyping it all your self. Simply download the source for this document (`MemoirChapStyles.tex`) from http://mirror.ctan.org/info/MemoirChapStyles/. Run it once through LaTeX, then you will get a file called ⟨*Name of style*⟩`-style.tex`, which is the source code for example displaying that particular style. Then just copy the code from there.

Please note that in the code you will find stuff like

```
\let\STARTCODE\relax
\let\STOPCODE\relax
\STARTCODE
...
\STOPCODE
```

This code can just be removed, it is used by this document as an easy manner to include certain parts of a given source code.

Acknowledgement

Acknowledgement goes (of course) to Peter Wilson for creating the memoir class in the first place. But also to the people who contributed with styles or comments: Danie Els, David Chadd, Pluton (name used on CTT), Erik Quaeghebeur, Donald Arseneau plus the those who posted memoir chapter styles on news groups, I hope it is okay that I include them here.

TODO

Have a look at the chapter styles offered by `fncychap` and `titlesec`.

Contents

A little background

As you might already know the memoir class includes a feature to switch the look and feel of a chapter title on a chapter to chapter basis. This is achieved by using \chapterstyle{⟨*style*⟩}. The most extreme use of this is seen in *The Memoir class For Configurable Typesetting – User Guide* by Peter Wilson, also know as the *Memoir manual,* [1].

In general, LATEX classes use \@makechapterhead to print a chapter title specified my chapter, and \@makeschapterhead for \chapter*. In memoir Peter Wilson made these two macros a bit more flexible than usual. The idea is that for numbered chapters (i.e. \chapter and secnumdepth ≥ 0) one should think of the chapter title as build by:

```
\chapterheadstart
\printchaptername \chapternamenum \printchapternum
\afterchapternum
\printchaptertitle{The title}
\afterchaptertitle
```

For unnumbered (i.e. \chapter* and \chapter width secnumdepth < 0):

```
\chapterheadstart
\printchapternonum
\printchaptertitle{The title}
\afterchaptertitle
```

Note that \printchaptertitle is the only macro that takes an argument. At the start of every memoir chapter style these macros are initialised to

```
\renewcommand\chapterheadstart{\vspace*{\beforechapskip}}
\renewcommand\printchaptername{\chapnamefont \@chapapp}
\renewcommand\chapternamenum{\space}
\renewcommand\printchapternum{\chapnumfont \thechapter}
\renewcommand\afterchapternum{\par\nobreak\vskip \midchapskip}
\renewcommand\printchapternonum{}
\renewcommand\printchaptertitle[1]{\chaptitlefont #1}
\renewcommand\afterchaptertitle{\par\nobreak\vskip \afterchapskip}
```

In the design og these styles it is also worth noting that the contents of \afterchapternum is not included within \printchapternonum, which become important when designing the non-numbered part of the style. If one does not remember to add say \par\nobreak\vskip \midchapskip or similar to \printchapternonum the title part may be placed differently when there is no number.

One might ask what \printchapternonum is good for when it is always initialised to nothing. Well if a design need to one could use it to insert a phantom width as wide as the chapter name plus number would have been. If on the other hand one is creating a style where the chapter name and number is actually typeset using \printchaptertitle (like a framed one) then one could first define a new if construction, say, \ifNoChapNum and then let \printchapternonum set this to true and so on.

So one just have to change the ones one need. There are a few other macros that are nice to know the meaning of. Remember that these are *not* reset at the start of a new chapter style.

\beforechapskip length, self explanatory,usually set using \chapterheadstart, default 50pt

\midchapskip length, distance between the chapter name / number and the title, usually set using \afterchapternum, default 20pt

\afterchapskip length, distance between the chapter title and the following text, usually set using \afterchaptertitle, default 40pt

\chapnamefont the font setting used for *Chapter* or similar, default \normalfont\huge\bfseries

\chapnumfont same for the chapter number, default \normalfont\huge\bfseries

\chaptitlefont same for the chapter title, default \normalfont\Huge\bfseries

In memoir a new chapter style is defined as

\makechapterstyle{⟨*name*⟩}{
⟨*code*⟩
}

Where ⟨*code*⟩ is redefinitions of the macros mentioned above. (Remember that if you redefine \printchaptertitle then you have to use ##1 to represent the title.) Activating a given style is done by simply issuing

\chapterstyle{⟨*name*⟩}

By the way, if you happen to like a given style but wanted to, say, add color to the chapter title, you could just refine \chaptitlefont after you have issued \chapterstyle. (Even simpler to just use \addtodef\chaptitlefont{}{\color{nicered}}.)

As a simple example, here is the code for the section chapter style

```
──────────────────── Source code for the section chapter style ────────────────────
\makechapterstyle{section}{%
  \renewcommand{\printchaptername}{}
  \renewcommand{\chapternamenum}{}
  \renewcommand{\chapnumfont}{\normalfont\Huge\bfseries}
  \renewcommand{\printchapternum}{\chapnumfont \thechapter\space}
  \renewcommand{\afterchapternum}{}
}
```

Styles included in memoir

First we have the six default chapterstyles in the memoir class. The source code for these can be found in `memoir.cls`.

```
\chapterstyle{default}
```

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

1 A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{reparticle}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p style="text-align:center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{hangnum}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p style="text-align:center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{companion}`

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{demo}`

One

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

If you want to use this in a different lanugage, then that a look at the implementation in the memoir source. You will need your own version of `\numtoName`

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

***

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

A CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A NON-NUMBERED CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

━━━━━━━━━━━━━━━ Source for the brotherton style ━━━━━━━━━━━━━━━

```
\chapterstyle{brotherton}
```

Chapter One

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

As with `demo`, you will need to define your own suitable version of `\numtoName`

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

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A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

I A chapter title

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* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

— 1 —

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

One

A chapter title

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<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

One

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{ell}`

<div align="right">

1

</div>

<div align="right">

A chapter title

</div>

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

<div align="right">

A non-numbered chapter title

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Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{ger}`

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<center>* * *</center>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\usepackage{graphicx}
\chapterstyle{lyhne}
```

CHAPTER **1**

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\usepackage{graphicx}
\chapterstyle{madsen}
```

CHAPTER **1**

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p align="center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p align="center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{southall}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{thatcher}`

CHAPTER 1
———

A CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A NON-NUMBERED CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\usepackage{graphicx}
\chapterstyle{veelo}
```

CHAPTER 1 ███████████████

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

The idea behind *veelo* is that the black marker is printed to the edge of the page and one is then able to see the star of the chapter by just looking at the edge of the book.

```
\chapterstyle{verville}
```

1. A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

`\chapterstyle{crosshead}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p align="center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{dowding}`

<p align="center">Chapter One</p>

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p align="center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\chapterstyle{komalike}
```

1 A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p style="text-align:center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\chapterstyle{ntglike}
```

Chapter 1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p style="text-align:center">* * *</p>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{tandh}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

`\chapterstyle{wilsondob}`

1   A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Found or contributed styles

Please note that most of the styles that were mentioned here in earlier versions of this document, are now a part of memoir and therefore removed.

By Alexander Grebenkov 2004/11/25, found via Google Groups on fido.ru.tex.

───────── Source for the AlexanderGrebenkov style ─────────

```
 \makechapterstyle{AlexanderGrebenkov}{%
\renewcommand{\chapterheadstart}{\vspace*{\beforechapskip}\hrule\medskip}
\renewcommand{\chapnamefont}{\normalfont\large\scshape}
\renewcommand{\chapnumfont}{\normalfont\large\scshape}
\renewcommand{\chaptitlefont}{\normalfont\large\scshape}
\renewcommand{\printchaptername}{\S}
\renewcommand{\chapternamenum}{ }
\renewcommand{\printchapternum}{\chapnumfont \thechapter}
\renewcommand{\afterchapternum}{. }
\renewcommand{\afterchaptertitle}{\par\nobreak\medskip\hrule\vskip
\afterchapskip}
}
\chapterstyle{AlexanderGrebenkov}
```

───

───

§ 1. A CHAPTER TITLE

───

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

───

A NON-NUMBERED CHAPTER TITLE

───

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

```
\usepackage{color,calc,graphicx,soul,fourier}
\definecolor{nicered}{rgb}{.647,.129,.149}
\makeatletter
\newlength\dlf@normtxtw
\setlength\dlf@normtxtw{\textwidth}
\def\myhelvetfont{\def\sfdefault{mdput}}
\newsavebox{\feline@chapter}
\newcommand\feline@chapter@marker[1][4cm]{%
  \sbox\feline@chapter{%
    \resizebox{!}{#1}{\fboxsep=1pt%
      \colorbox{nicered}{\color{white}\bfseries\sffamily\thechapter}%
    }}%
  \rotatebox{90}{%
    \resizebox{%
      \heightof{\usebox{\feline@chapter}}+\depthof{\usebox{\feline@chapter}}}%
    {!}{\scshape\so\@chapapp}}\quad%
  \raisebox{\depthof{\usebox{\feline@chapter}}}{\usebox{\feline@chapter}}%
}
\newcommand\feline@chm[1][4cm]{%
  \sbox\feline@chapter{\feline@chapter@marker[#1]}%
  \makebox[0pt][l]{% aka \rlap
    \makebox[1cm][r]{\usebox\feline@chapter}%
  }}
\makechapterstyle{daleif1}{
  \renewcommand\chapnamefont{\normalfont\Large\scshape\raggedleft\so}
  \renewcommand\chaptitlefont{\normalfont\huge\bfseries\scshape\color{nicered}}
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{\null\hfill\feline@chm[2.5cm]\par}
  \renewcommand\afterchapternum{\par\vskip\midchapskip}
  \renewcommand\printchaptertitle[1]{\chaptitlefont\raggedleft ##1\par}
}
\makeatother
\chapterstyle{daleif1}
```

CHAPTER

1

A CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A NON-NUMBERED CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Style build upon VZ15b, see later.

───────────────── Source for the daleif3 style ─────────────────

```
\usepackage{fourier}
\makeatletter
\newif\iffelinenonum
\newcommand\MyNumToName[1]{%
  \ifcase#1\relax % case 0
  \or First\or Second\or Third%
  \else Not implemented\fi}
\makechapterstyle{daleif3}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\chapnamefont{\small\itshape\centering}
  \setlength\midchapskip{7pt}
  \renewcommand\printchapternum{%
    \par\chapnamefont\decofourleft\enspace%
    \ifanappendix
    \appendixname\space\thechapter%
    \else%
    \MyNumToName{\thechapter}\space\chaptername%
    \fi%
    \/\enspace\decofourright}
  \renewcommand\printchapternonum{\par\felinenonumtrue}
  \renewcommand\chaptitlefont{\huge\itshape\centering}
  \renewcommand\afterchapternum{%
    \par\nobreak\vskip-5pt%
```

```
    }
  \renewcommand\afterchaptertitle{%
    \par\vskip-2\midchapskip%
    \rule\textwidth\normalrulethickness
    \felinenonumfalse
    \nobreak\vskip\afterchapskip%
  }
}
\makeatother
\chapterstyle{daleif3}
```

↜ *First Chapter* ↝
A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Danie Els contributed the following style along with the BlueBox style on page .

─────────────── Source for the GreyNum style ───────────────
```
\usepackage{fix-cm}
\usepackage{fourier}%................... Roman+math - Utopia
\usepackage[scaled=.92]{helvet}%........ Sans serif - Helvetica
\usepackage[T1]{fontenc}
\usepackage{color}
\definecolor{ChapGrey}{rgb}{0.6,0.6,0.6}
\newcommand{\LargeFont}{% Needs a 'stretchable' font
     \usefont{\encodingdefault}{\rmdefault}{b}{n}%
     \fontsize{60}{80}\selectfont\color{ChapGrey}}
\makeatletter
\makechapterstyle{GreyNum}{%
  \renewcommand{\chapnamefont}{\large\sffamily\bfseries\itshape}
  \renewcommand{\chapnumfont}{\LargeFont}
  \renewcommand{\chaptitlefont}{\Huge\sffamily\bfseries\itshape}
  \setlength{\beforechapskip}{0pt}
  \setlength{\midchapskip}{40pt}
  \setlength{\afterchapskip}{60pt}
  \renewcommand\chapterheadstart{\vspace*{\beforechapskip}}
  \renewcommand\printchaptername{%
```

```
  \begin{tabular}{@{}c@{}}
    \chapnamefont \@chapapp\\}
  \renewcommand\chapternamenum{\noalign{\vskip 2ex}}
  \renewcommand\printchapternum{\chapnumfont\thechapter\par}
  \renewcommand\afterchapternum{%
  \end{tabular}
  \par\nobreak\vskip\midchapskip}
 \renewcommand\printchapternonum{}
 \renewcommand\printchaptertitle[1]{%
   {\chaptitlefont{##1}\par}}
 \renewcommand\afterchaptertitle{\par\nobreak\vskip \afterchapskip}
}
\makeatother
\chapterstyle{GreyNum}
```

Chapter

1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

<center>* * *</center>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

Danie notes:
> *This looks a lot better with real italics sans-serif fonts such as Lucida Sans*
> ```
> \usepackage[expert,vargreek]{lucidabr}%.. Lucida Bright + Expert (commercial)
> ```
> *or Myrad*
> ```
> \usepackage{charter}%.......... Roman     – Charter
> \renewcommand{\sfdefault}{fmy}%. Sans serif – Myrad (Springer bundle)
> ```

<center>✧ ✧ ✧</center>

This next style is inspired by a mail I recieved from Erik Quaeghebeur. It took me a little while to actually get this working as I wanted it to, partly because apparently there is a small issue regarding \thispagestyle and \pagestyle as to which \chaptermark gets used (I got around this by using the afterpage package). This style is designed to be used with openleft (i.e. chapters starting on even pages). And since the design uses pagestyles, we need to show several seperate pages.

━━━━━━━━━━━━━━━ Source for the EQ style ━━━━━━━━━━━━━━━

```
\documentclass[openleft]{memoir}
\usepackage{calc}
\usepackage{afterpage}
\copypagestyle{EQ-pagestyle}{companion}
\setlength{\headwidth}{\textwidth}
\addtolength{\headwidth}{.382\foremargin}
\makerunningwidth{EQ-pagestyle}{\headwidth}
\makeheadposition{EQ-pagestyle}{flushright}{flushleft}{}{}
\makeevenhead{EQ-pagestyle}{\normalfont\bfseries\thepage}{}{\normalfont\bfseries\leftmark}
\makeoddhead{EQ-pagestyle}{\normalfont\bfseries\rightmark}{}{\normalfont\bfseries\thepage}
\newif\ifNoChapNum
\makeatletter
% chapterpage layout
\copypagestyle{EQ-chapterstyle}{EQ-pagestyle}
\makeheadposition{EQ-chapterstyle}{flushright}{flushleft}{}{}
\makeevenhead{EQ-chapterstyle}{%
  \normalfont\bfseries\thepage}{}{%
  \ifnum \c@secnumdepth>\m@ne%
    \ifNoChapNum%
      \raisebox{-4.5pt}[0pt][0pt]{\chapnamefont \rightmark}%
    \else%
      \raisebox{-4.5pt}[0pt][0pt]{\chapnamefont\@chapapp\ \thechapter}%
    \fi%
  \else%
    \raisebox{-4.5pt}[0pt][0pt]{\chapnamefont\rightmark}%
  \fi%
  }
\makeoddhead{EQ-chapterstyle}{\rightmark}{}{\normalfont\bfseries\thepage}
% build in the shorter headline
\@namedef{EQ-chapterstyleheadrule}{%
  \ifnum \c@secnumdepth>\m@ne%
    \ifNoChapNum%
      \settowidth\@tempdimc{\quad\chapnamefont\rightmark}%
    \else%
      \settowidth\@tempdimc{\quad\chapnamefont\@chapapp\ \thechapter}%
    \fi%
  \else%
  \settowidth\@tempdimc{\quad\chapnamefont\rightmark}%
  \fi%
  \setlength\@tempdimc{\headwidth-\@tempdimc}%
  \hrule\@width \@tempdimc\@height \normalrulethickness \vskip-\normalrulethickness%
}
\aliaspagestyle{chapter}{EQ-chapterstyle}
\pagestyle{EQ-pagestyle}
\makechapterstyle{EQ}{
  \renewcommand{\chapnamefont}{\raggedleft\bfseries\huge}
  \renewcommand{\chapternamenum}{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
  \renewcommand\printchaptertitle[1]{%
    \ifnum \c@secnumdepth>\m@ne%
```

```
    \ifNoChapNum\else\chaptitlefont ##1\fi%
    \fi%
    \ifNoChapNum%
    \markboth{##1}{##1}%
    \fi%
    \afterpage{\global\NoChapNumfalse}%
  }
  \renewcommand\afterchapternum{}
  \renewcommand\afterchaptertitle{%
    \ifnum \c@secnumdepth>\m@ne%
    \ifNoChapNum\else\par\nobreak\vskip\afterchapskip\fi%
    \fi}
  \setlength\beforechapskip{15pt}
  \renewcommand\printchapternonum{\global\NoChapNumtrue}
  \renewcommand{\chaptitlefont}{\raggedleft\normalfont\Huge\bfseries}
}
\makeatother
\chapterstyle{EQ}
\begin{document}
\frontmatter
\chapter{Preface}

Some text at the beginning of a chapter. And we add a lot of text to
make sure that it spans more than one line.

\mainmatter

\chapter{A chapter title}
Some text at the beginning of a chapter. And we add a lot of text to
make sure that it spans more than one line.

\chapter*{A non-numbered chapter title}
Some text at the beginning of a chapter. And we add a lot of text to
make sure that it spans more than one line.

\end{document}
```

Preface

Some text at the beginning of a chapter. And we add a lot of text to make
sure that it spans more than one line.

* * *

A chapter title

Some text at the beginning of a chapter. And we add a lot of text to make sure that it spans more than one line.

* * *

4 A non-numbered chapter title

Some text at the beginning of a chapter. And we add a lot of text to make sure that it spans more than one line.

* * *

Remember that the line you see is actually the header.

This next style is a modified version of a style requested on a danish forum.

```
\usepackage{xcolor,fix-cm}
\definecolor{numbercolor}{gray}{0.7}
\newif\ifchapternonum
\makechapterstyle{jenor}{
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
  \renewcommand\printchapternonum{\chapternonumtrue}
  \renewcommand\chaptitlefont{\fontfamily{pbk}\fontseries{db}%
    \fontshape{n}\fontsize{25}{35}\selectfont\raggedleft}
  \renewcommand\chapnumfont{\fontfamily{pbk}\fontseries{m}\fontshape{n}%
    \fontsize{1in}{0in}\selectfont\color{numbercolor}}
  \renewcommand\printchaptertitle[1]{%
    \noindent%
    \ifchapternonum%
    \begin{tabularx}{\textwidth}{X}%
    {\parbox[b]{\linewidth}{\chaptitlefont ##1}%
      \vphantom{\raisebox{-15pt}{\chapnumfont 1}}}
    \end{tabularx}%
    \else
    \begin{tabularx}{\textwidth}{Xl}
    {\parbox[b]{\linewidth}{\chaptitlefont ##1}}
    & \raisebox{-15pt}{\chapnumfont \thechapter}%
    \end{tabularx}%
    \fi
    \par\vskip2mm\hrule
  }
}
\chapterstyle{jenor}
```

A chapter title 1

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<center>* * *</center>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

This next style originates from http://texblog.net/latex-archive/layout/fancy-chapter-tikz/ and thus makes this interesting style available for memoir users.

Source for the texblogtikz style

```
\documentclass{memoir}
\usepackage[svgnames]{xcolor}
\usepackage{tikz}
% helper macros
\newcommand{\ChapWithNumber}[1]{
\begin{tikzpicture}[remember picture,overlay]
    \node[yshift=-3cm] at (current page.north west)
      {\begin{tikzpicture}[remember picture, overlay]
        \draw[fill=LightSkyBlue] (0,0) rectangle
          (\stockwidth,3cm);
        \node[anchor=east,xshift=.9\stockwidth,rectangle,
            rounded corners=20pt,inner sep=11pt,
            fill=MidnightBlue]
            {\color{white}\chapnamefont\thechapter\space #1};
       \end{tikzpicture}
      };
   \end{tikzpicture}
}
\newcommand{\ChapWithoutNumber}[1]{
  \begin{tikzpicture}[remember picture,overlay]
    \node[yshift=-3cm] at (current page.north west)
    {\begin{tikzpicture}[remember picture, overlay]
        \draw[fill=LightSkyBlue] (0,0) rectangle
```

```
        (\stockwidth,3cm);
      \node[anchor=east,xshift=.9\stockwidth,rectangle,
      rounded corners=20pt,inner sep=11pt,
      fill=MidnightBlue]
      {\color{white}\chapnamefont#1};
    \end{tikzpicture}
  };
  \end{tikzpicture}
}
\newif\ifnumberedchap
\numberedchaptrue
\makechapterstyle{texblogtikz}{
  \renewcommand\chapnamefont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chapnumfont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chaptitlefont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chapternamenum{}
  \renewcommand{\afterchapternum}{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
  \renewcommand\printchapternonum{\global\numberedchapfalse}
  \renewcommand\printchaptertitle[1]{%
    \ifnumberedchap
    \ChapWithNumber{##1}
    \else
    \ChapWithoutNumber{##1}
    \fi
    \global\numberedchaptrue
  }
}
\chapterstyle{texblogtikz}
\aliaspagestyle{chapter}{empty} % just to save some space
\begin{document}
\chapter{A chapter title}
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus
elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur
dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id,
vulputate a, magna.


\chapter*{A non-numbered chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
a mi.

\end{document}
```

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna.

* * *

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

    In reality, the blue box, covers the with of the paper, but do not extend to the top op the paper, leaving a white ribbon.

<div align="center">✧ ✧ ✧</div>

Here is a variation over the `texblogtikz` style, provided by Verliya Gadis. Note that the text is being cut off on the right due to the process used to create the sample images..

Source for the verly style

```
\documentclass{memoir}
\setlrmarginsandblock{6cm}{3cm}{*}
\checkandfixthelayout
\usepackage[svgnames]{xcolor}
\usepackage{tikz}
% helper macros
\newcommand{\ChapWithNumber}[1]{
  \begin{tikzpicture}[remember picture,overlay]
    \node[yshift=-3cm] at (current page.north west)
    {\begin{tikzpicture}[remember picture, overlay]
\draw[fill=gray!30!white] (0,-26) rectangle (5,5)
      (\stockwidth,3cm);
      \node[anchor=north,xshift=6cm,rectangle,
rounded corners=20pt,inner sep=11pt,
fill=gray]
{\color{white}\chapnamefont\thechapter\space #1};
    \end{tikzpicture}};
  \end{tikzpicture}}
\newcommand{\ChapWithoutNumber}[1]{
  \begin{tikzpicture}[remember picture,overlay]
    \node[yshift=-3cm] at (current page.north west)
    {\begin{tikzpicture}[remember picture, overlay]
      \draw[fill=gray!30!white] (0,-26) rectangle (5,5)
      (\stockwidth,3cm);
      \node[anchor=north,xshift=6cm,rectangle,
      rounded corners=20pt,inner sep=11pt,
      fill=gray]{\color{white}\chapnamefont#1};
    \end{tikzpicture}};
  \end{tikzpicture}}
\newif\ifnumberedchap
\numberedchaptrue
\makechapterstyle{verly}{
  \renewcommand\chapnamefont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chapnumfont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chaptitlefont{\normalfont\sffamily\Huge\bfseries}
  \renewcommand\chapternamenum{}
  \renewcommand{\afterchapternum}{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
  \renewcommand\printchapternonum{\global\numberedchapfalse}
  \renewcommand\printchaptertitle[1]{%
```

```
    \ifnumberedchap\ChapWithNumber{##1}\else\ChapWithoutNumber{##1}\fi
    \global\numberedchaptrue
  }
}
\chapterstyle{verly}
\aliaspagestyle{chapter}{empty} % just to save some space
\begin{document}
\chapter{A chapter title}
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus
elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur
dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id,
vulputate a, magna.


\chapter*{A non-numbered chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
a mi.


\end{document}
```

* * *

* * *

✧ ✧ ✧

I made this next style for a book project to be published in Aarhus University Press. The author requested a style without the word *Chapter*, and I'd like to do something slightly different, something that might be useful for Bachelors projects and other similar student projects. In this particular book, chapter titles are at most two lines. So the design is made such that if it is two lines then the second line stand on the same baseline as the number.

As it is for a book project the specific design depends on the font used, the font size, and the line spread.

Since this is a style without the word *Chapter*, it is of course a good idea to remove this from the headers. Here is an easy example showing how to do this with the default page style:

```
\addtopsmarks{heading}{}{%
  \createmark{chapter}{both}{shownumber}{}{. \ }
}
\pagestyle{headings}
```

```
\documentclass[12pt]{memoir}
\usepackage[T1]{fontenc}
\usepackage{kpfonts}
\setSingleSpace{1.1}
\SingleSpacing
\usepackage{xcolor,calc}
```

```
\definecolor{chaptercolor}{gray}{0.8}
% helper macros
\newcommand\numlifter[1]{\raisebox{-2cm}[0pt][0pt]{\smash{#1}}}
\newcommand\numindent{\kern37pt}
\newlength\chaptertitleboxheight

\makechapterstyle{hansen}{
  \renewcommand\printchaptername{\raggedleft}
  \renewcommand\printchapternum{%
    \begingroup%
    \leavevmode%
    \chapnumfont%
    \strut%
    \numlifter{\thechapter}%
    \numindent%
    \endgroup%
  }
  \renewcommand*{\printchapternonum}{%
    \vphantom{\begingroup%
      \leavevmode%
      \chapnumfont%
      \numlifter{\vphantom{9}}%
      \numindent%
      \endgroup}
    \afterchapternum}
  \setlength\midchapskip{0pt}
  \setlength\beforechapskip{0.5\baselineskip}
  \setlength{\afterchapskip}{3\baselineskip}
  \renewcommand\chapnumfont{%
    \fontsize{4cm}{0cm}%
    \bfseries%
    \sffamily%
    \color{chaptercolor}%
  }
  \renewcommand\chaptitlefont{%
    \normalfont%
    \huge%
    \bfseries%
    \raggedleft%
  }%
  \settototalheight\chaptertitleboxheight{%
    \parbox{\textwidth}{\chaptitlefont \strut bg\\bg\strut}}
  \renewcommand\printchaptertitle[1]{%
    \parbox[t][\chaptertitleboxheight][t]{\textwidth}{%
      %\microtypesetup{protrusion=false}% add this if you use microtype
      \chaptitlefont\strut ##1\strut}%
  }
}
\chapterstyle{hansen}
\aliaspagestyle{chapter}{empty} % just to save some space
\begin{document}
\let\clearforchapter\par % cheating, but saves some space
\chapter{A chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
```

```
a mi.
\par\fancybreak{$***$}\par
\chapter*{A non-numbered chapter title}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel,
wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at,
lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed
accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus
a mi.
\end{document}
```

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<div align="center">* * *</div>

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Vincent Zoonekynd

Some time ago Vincent Zoonekynd published a long list of general chapter styles for LATEX, see http://zoonek.free.fr/LaTeX/LaTeX_samples_chapter/0.html. In this section we implement several of these styles. Special thanks to Danie Els for the BlueBox style (aka VZ39).

The styles are named after Vincent Zoonekynd (VZ) and the number on the mentioned page.

Source for the VZ14 style

```
\makeatletter
\newcommand\thickhrulefill{\leavevmode \leaders \hrule height 1ex \hfill \kern \z@}
\setlength\midchapskip{10pt}
\makechapterstyle{VZ14}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\chapnamefont{\Large\scshape}
  \renewcommand\printchapternum{%
    \chapnamefont\null\thickhrulefill\quad
    \@chapapp\space\thechapter\quad\thickhrulefill}
  \renewcommand\printchapternonum{%
    \par\thickhrulefill\par\vskip\midchapskip
    \hrule\vskip\midchapskip
  }
  \renewcommand\chaptitlefont{\Huge\scshape\centering}
  \renewcommand\afterchapternum{%
    \par\nobreak\vskip\midchapskip\hrule\vskip\midchapskip}
  \renewcommand\afterchaptertitle{%
    \par\vskip\midchapskip\hrule\nobreak\vskip\afterchapskip}
}
\makeatother
\chapterstyle{VZ14}
```

A CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

$$* * *$$

A NON-NUMBERED CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Variation over VZ15.

```
———————————————— Source for the VZ15b style ————————————————
\usepackage{pifont,graphicx}
\newcommand\mylleaf{\ding{'247}}
\newcommand\myrleaf{\reflectbox{\mylleaf}}
\newcommand\MyNumToName[1]{%
  \ifcase#1\relax % case 0
  \or First\or Second\or Third%
  \else Not implemented\fi}
\makeatletter
\setlength\midchapskip{10pt}
\makechapterstyle{VZ15b}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\chapnamefont{\Large\scshape}
  \renewcommand\printchapternum{%
    \chapnamefont\null\hfill\mylleaf\quad
    \MyNumToName{\thechapter}\space\@chapapp\quad\myrleaf\hfill\null}
  \renewcommand\printchapternonum{%
    \par\hrule\vskip\midchapskip}
  \renewcommand\chaptitlefont{\Huge\scshape\centering}
  \renewcommand\afterchapternum{%
```

```
    \par\nobreak\vskip\midchapskip\hrule\vskip\midchapskip}
  \renewcommand\afterchaptertitle{%
    \par\vskip\midchapskip\hrule\nobreak\vskip\afterchapskip}
}
\makeatother
\chapterstyle{VZ15b}
```

❧ First Chapter   ☙

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

Though I believe this style would look better without the lines.

Variation over VZ21. Note the use of two different tabulars depending upon the length of the title.
Also note that we use the build-in booktabs rules, and note that the thickness of these rules can be
individually adjusted.

────────────── Source for the VZ21 style ──────────────

```
\usepackage{calc,fourier}
\usepackage[T1]{fontenc}
\makeatletter
\setlength\midchapskip{7pt}
\makechapterstyle{VZ21}{
  \renewcommand\chapnamefont{\Large\scshape}
  \renewcommand\chapnumfont{\Large\scshape\centering}
  \renewcommand\chaptitlefont{\huge\bfseries\centering}
  \renewcommand\printchaptertitle[1]{%
    \setlength\tabcolsep{7pt}% used as indentation on both sides
    \settowidth\@tempdimc{\chaptitlefont ##1}%
    \setlength\@tempdimc{\textwidth-\@tempdimc-2\tabcolsep}%
```

```
    \chaptitlefont
    \ifdim\@tempdimc > 0pt\relax% one line
    \begin{tabular}{c}
      \toprule  ##1\\ \bottomrule
    \end{tabular}
    \else% two+ lines
    \begin{tabular}{%
        >{\chaptitlefont\arraybackslash}p{\textwidth-2\tabcolsep}}
      \toprule ##1\\ \bottomrule
    \end{tabular}
    \fi
  }
}
\makeatother
\chapterstyle{VZ21}
```

CHAPTER 1

A CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor
lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae
ornare odio metus a mi.

Next up is VZ23.

Source for the VZ23 style

```
\setlength\midchapskip{10pt}
\makechapterstyle{VZ23}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\chapnumfont{\Huge\bfseries\centering}
  \renewcommand\chaptitlefont{\Huge\scshape\centering}
  \renewcommand\afterchapternum{%
    \par\nobreak\vskip\midchapskip\hrule\vskip\midchapskip}
  \renewcommand\printchapternonum{%
    \vphantom{\chapnumfont \thechapter}
    \par\nobreak\vskip\midchapskip\hrule\vskip\midchapskip}
```

```
}
\chapterstyle{VZ23}
```

1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

<p align="center">* * *</p>

A NON-NUMBERED CHAPTER TITLE

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

A variation over VZ34 (in the original the first cell in the tabular adjusts to the width of the chapter number, here it does not).

--- Source for the VZ34 style ---

```
\usepackage{calc}
\newif\ifNoChapNumber
\makeatletter
\makechapterstyle{VZ34}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
  \renewcommand\chapnumfont{\Huge\bfseries}
  \renewcommand\chaptitlefont{\Huge\bfseries\raggedright}
  \renewcommand\printchaptertitle[1]{%
    \begin{tabular}{@{}p{1cm}|!{\quad}p{\textwidth-1cm-2em-4\tabcolsep }}
      \ifNoChapNumber\relax\else\chapnumfont \thechapter\fi
      & \chaptitlefont ##1
    \end{tabular}
    \NoChapNumberfalse
  }
  \renewcommand\printchapternonum{\NoChapNumbertrue}
```

```
}
\chapterstyle{VZ34}
```

1 | A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

$$* * *$$

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Variation over VZ39, contributed by Danie Els.

Source for the BlueBox style

```
\usepackage{fourier} % or what ever
\usepackage[scaled=.92]{helvet}%. Sans serif - Helvetica
\usepackage{color,calc}
\newsavebox{\ChpNumBox}
\definecolor{ChapBlue}{rgb}{0.00,0.65,0.65}
\makeatletter
\newcommand*{\thickhrulefill}{%
  \leavevmode\leaders\hrule height 1\p@ \hfill \kern \z@}
\newcommand*\BuildChpNum[2]{%
  \begin{tabular}[t]{@{}c@{}}
    \makebox[0pt][c]{#1\strut}  \\[.5ex]
    \colorbox{ChapBlue}{%
      \rule[-10em]{0pt}{0pt}%
      \rule{1ex}{0pt}\color{black}#2\strut
      \rule{1ex}{0pt}}%
  \end{tabular}}
\makechapterstyle{BlueBox}{%
  \renewcommand{\chapnamefont}{\large\scshape}
  \renewcommand{\chapnumfont}{\Huge\bfseries}
  \renewcommand{\chaptitlefont}{\raggedright\Huge\bfseries}
  \setlength{\beforechapskip}{20pt}
  \setlength{\midchapskip}{26pt}
  \setlength{\afterchapskip}{40pt}
  \renewcommand{\printchaptername}{}
  \renewcommand{\chapternamenum}{}
  \renewcommand{\printchapternum}{%
    \sbox{\ChpNumBox}{%
```

```
        \BuildChpNum{\chapnamefont\@chapapp}%
        {\chapnumfont\thechapter}}}
    \renewcommand{\printchapternonum}{%
      \sbox{\ChpNumBox}{%
        \BuildChpNum{\chapnamefont\vphantom{\@chapapp}}%
        {\chapnumfont\hphantom{\thechapter}}}}
    \renewcommand{\afterchapternum}{}
    \renewcommand{\printchaptertitle}[1]{%
      \usebox{\ChpNumBox}\hfill
      \parbox[t]{\hsize-\wd\ChpNumBox-1em}{%
        \vspace{\midchapskip}%
        \thickhrulefill\par
        \chaptitlefont ##1\par}}%
}
\chapterstyle{BlueBox}
```

CHAPTER

1

A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Style inspired by VZ43

────────────────── Source for the VZ43 style ──────────────────

```
\usepackage{calc,color}
\newif\ifNoChapNumber
\newcommand\Vlines{%
  \def\VL{\rule[-2cm]{1pt}{5cm}\hspace{1mm}\relax}
  \VL\VL\VL\VL\VL\VL\VL}
\makeatletter
\setlength\midchapskip{0pt}
\makechapterstyle{VZ43}{
  \renewcommand\chapternamenum{}
  \renewcommand\printchaptername{}
  \renewcommand\printchapternum{}
```

```latex
  \renewcommand\chapnumfont{\Huge\bfseries\centering}
  \renewcommand\chaptitlefont{\Huge\bfseries\raggedright}
  \renewcommand\printchaptertitle[1]{%
    \Vlines\hspace*{-2em}%
    \begin{tabular}{@{}p{1cm} p{\textwidth-3cm}}%
      \ifNoChapNumber\relax\else%
      \colorbox{black}{\color{white}%
        \makebox[.8cm]{\chapnumfont\strut \thechapter}}
      \fi
      & \chaptitlefont ##1
    \end{tabular}
    \NoChapNumberfalse
  }
  \renewcommand\printchapternonum{\NoChapNumbertrue}
}
\makeatother
\chapterstyle{VZ43}
```
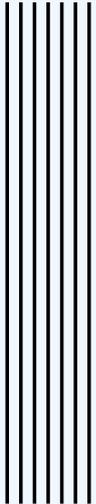
1 A chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

* * *

A non-numbered chapter title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Bibliography

[1] Peter Wilson, *The Memoir Class for Configurable Typesetting – User Guide*, 2010.

[2] Vincent Zoonekynd. On-line list of different chapter styles for LaTeX. Available at `http://zoonek.free.fr/LaTeX/LaTeX_samples_chapter/0.html`.