

Master Thesis Template

Faculty of Arts

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STEP 1: FILE-STRUCTURE AND MASTER FILE

- Create a file containing your "Coverpage_Masterthesis_ENG".
- add three empty file folders: "docs", "figs", and "refs".
- add the "Masterproef_EN_2012" master tex-file to this folder:

```
% ----- Cover Master Thesis Faculty of Sciences -----
% This document should be compiled with pdflatex. If you want to use
% latex to compile to dvi/ps, you have to convert the images to (e)ps
% -- December 2012
% -----
\RequirePackage{fix-cm}
\documentclass[12pt,a4paper,oneside]{book}

% ----- Load packages -----
% You can eventually add these while you load other packages
% in case you want to integrate the titlepage with the rest of your thesis
% -----
\usepackage{graphicx,xcolor,textpos}
\usepackage{helvet}

\usepackage{hyperref}
\hypersetup{colorlinks=false,pdfborder=0 0 0}
\usepackage{pdfscape}
\usepackage[round]{natbib}
\usepackage[english]{babel}
%\usepackage{multicol}
\usepackage{caption}
\usepackage{float}

% ----- Page settings -----
% If you change these, the cover layout will also change. In that
% case you have to adjust the latter manually.
% -----

\topmargin -10mm
\textwidth 160truemm
\textheight 240truemm
\oddsidemargin 0mm
\evensidemargin 0mm

% ----- textpos settings -----
% Some additional settings for the cover
% -----

\definecolor{green}{RGB}{29,141,176}
\definecolor{bluetitle}{RGB}{29,141,176}
\definecolor{blueaff}{RGB}{0,0,128}
\definecolor{blueline}{RGB}{82,189,236}
\setlength{\TPHorizModule}{1mm}
\setlength{\TPVertModule}{1mm}
```

```

\begin{document}

% ----- Cover -----
% Please fill in:
% - The title and subtitle (if applicable)
% to include a formula in the title or subtitle
% use \form{...$}
% - Your name
% - Your (co)supervisor, mentor (if applicable)
% - Your master
% - The academic year
% -----
\thispagestyle{empty}
\newcommand{\form}[1]{\scalebox{1.087}{\boldmath{#1}}}
\sffamily
%
\begin{textblock}{191}(-24,-11)
\colorbox{green}{\hspace{139mm}\
\parbox[c][18truemm]{52mm}{\textcolor{white}{FACULTY OF ARTS}}}\
\end{textblock}
%
\begin{textblock}{70}(-18,-19)
\textblockcolour{}
\includegraphics*[height=19.8truemm]{figs/LogoKULeuven}
\end{textblock}
%
\begin{textblock}{160}(-6,63)
\textblockcolour{}
\vspace{-\parskip}
\flushleft
\fontsize{40}{42}\selectfont \textcolor{bluetitle}{Title}\[1.5mm]
\fontsize{20}{22}\selectfont Subtitle
\end{textblock}
%
\begin{textblock}{160}(8,153)
\textblockcolour{}
\vspace{-\parskip}
\flushright
\fontsize{14}{16}\selectfont \textbf{First name LAST NAME}
\end{textblock}
%
\begin{textblock}{70}(-6,191)
\textblockcolour{}
\vspace{-\parskip}
\flushleft
Supervisor: Prof. A. Xyz\[-2pt]
\textcolor{blueaff}{Affiliation \textsl{(optional)}}\[5pt]
Co-supervisor: \textsl{(optional)}\[-2pt]
\textcolor{blueaff}{Affiliation \textsl{(optional)}}\[5pt]
\end{textblock}
%
\begin{textblock}{160}(8,191)
\textblockcolour{}
\vspace{-\parskip}
\flushright
Thesis presented in\[4.5pt]
fulfillment of the requirements\[4.5pt]
for the degree of Master of Arts\[4.5pt]
in Xxx\
\end{textblock}
%
\begin{textblock}{160}(8,232)
\textblockcolour{}
\vspace{-\parskip}
\flushright
Academic year 20XX-20XX
\end{textblock}
%
\begin{textblock}{191}(-24,248)
{\color{blue}\rule{550pt}{5.5pt}}
\end{textblock}
%
\vfill

```

```

\newpage

%In case you want to add a copyright statement, remove the comment (%) at
the start of the line below
%\input{docs/copyright}

% In case you want to integrate the TeX-file for the titlepage
% with the rest of your thesis, you can continue below
% ----- First pages -----
% For table of contents, acknowledgments, ...
% -----
%\rmfamily
\renewcommand{\familydefault}{\sfdefault}
\setcounter{page}{0}
\pagenumbering{roman}
\input{docs/preface}
\newpage
\tableofcontents
\cleardoublepage
\listoftables
\addcontentsline{toc}{chapter}{\listtablename}
\cleardoublepage
\listoffigures
\addcontentsline{toc}{chapter}{\listfigurename}

\newpage
% ----- Proper text -----
% Introduction, chapters, ...
% -----
\setcounter{page}{0}
\pagenumbering{arabic}
\input{docs/1.introduction}
\input{docs/2.literature}
\input{docs/3.method}
\input{docs/4.research}
\input{docs/5.conclusion}

% ----- Bibliography -----
% Books, Articles, Chapters, ...
% -----
\newpage
\bibliography{refs/references}
\bibliographystyle{plainnat}

\newpage
% ----- Back cover -----
% Please fill in:
% - Department
% - Department's address
% - Telephone number and fax number
% -----
\thispagestyle{empty}
\sffamily
%
\begin{textblock}{191}(113, -11)
{\color{blue}\rule{160pt}{5.5pt}}
\end{textblock}
%
\begin{textblock}{191}(168, -11)
{\color{blue}\rule{5.5pt}{59pt}}
\end{textblock}
%
\begin{textblock}{183}(-24, -11)
\textblockcolour{}
\flushright
\fontsize{7}{7.5}\selectfont
KU LEUVEN\
\textbf{FACULTY OF ARTS}\
BLIJDE INKOMSTRAAT nr 21 box 3301\
3000 LEUVEN, BELGI\{E}\
\end{textblock}
%
\begin{textblock}{191}(154, -7)
\textblockcolour{}

```

```
\includegraphics*[height=16.5truemm]{figs/sedes}
\end{textblock}
%
\begin{textblock}{191}(-20,235)
{\color{bluetitle}\rule{544pt}{55pt}}
\end{textblock}
\end{document}
```

STEP 2: DOCS-FOLDER

- Add five example chapters (just copy and paste the code into these files):
 - "1.introduction.tex"

```
\cleardoublepage
\chapter{Introduction}\label{ch:introduction}
\section{State of the art}\label{sec:state of the art}
\subsection{Subsection}\label{subsec:subsection}
\section{Problem Statements and Goals}\label{sec:problem statement and goal}
\section{Overview}\label{overview}
\begin{description}
\item[LITERATURE] You can find the literature overview in section \ref{ch:literature}.
\item[METHOD] You can find the description of the method in section \ref{ch:method}.
\item[RESEARCH] You can find the research in section \ref{ch:research}.
\item[CONCLUSION] Section \ref{ch:conclusion} finally summarizes the conclusion from the research.
\end{description}
```

- "2.literature.tex"

```
\cleardoublepage
\chapter{Literature}\label{ch:literature}
The literature study focusses on the main research topics of the master thesis.
\section{Section}\label{sec:section2}
\subsection{Subsection}\label{subsec:subsection2}

I included a figure here as an example, referring to figure \ref{fig:KULlogo}. And you can find this citation \citep{perspectiveshistory} in the bibliography as well.

\begin{figure}[h]
\includegraphics[width=100mm]{figs/LogoKULeuven}
\centering
\caption{KU Leuven Logo}
\label{fig:KULlogo}
\end{figure}

3.method.tex contains:

\cleardoublepage
\chapter{Method}\label{ch:method}
\section{Specific method}\label{sec:specificmethod}
The specific method falls into two parts:

\begin{enumerate}
\item{First method}
\item{Second method}
\end{enumerate}
```

- "3.method.tex"

```
\cleardoublepage
\chapter{Method}\label{ch:method}
\section{Specific method}\label{sec:specificmethod}
The specific method falls into two parts:

\begin{enumerate}
\item{First method}
\item{Second method}
\end{enumerate}

end{enumerate}
```

- "4.research.tex"

```
\cleardoublepage
\chapter{Research}\label{ch:research}

This chapter describes the research process, briefly summarized in section
\ref{sec:overview4}, illustrated by table \ref{tab:overview} which is
printed in the landscape format.

\section{Overview}\label{sec:overview4}
\begin{landscape}
\begin{table}[h]
\caption{caption of the table}
\label{tab:overview}
\begin{center}
\begin{tabular}{c c c}
koe & wilde leeuwen & kangoeroe \\
nijlpaard & giraf & aap \\
zebra & vis & papegaai
\end{tabular}
\caption{fancy tabel}
\end{center}
\end{table}
\end{landscape}

\subsection{Two figures}\label{subsec:twofigures}

\begin{figure}[H]
\centering
\begin{minipage}{.5\textwidth}
\centering
\includegraphics[width=.9\linewidth]{figs/LogoKULeuven}
\captionof{figure}{\textit{Logo} - KU Leuven.}
\label{fig:logo}
\end{minipage}%
\begin{minipage}{.5\textwidth}
\centering
\includegraphics[width=.8\linewidth]{figs/sedes}
\captionof{figure}{\textit{Sedes} - KU Leuven.}
\label{fig:sedesleuven}
\end{minipage}
\end{figure}

end{enumerate}
```

- "5.conclusion.tex"

```
\cleardoublepage
\chapter{Conclusion}\label{ch:conclusion}
```

- I also added some more specific pages such as:
 - "copyright.tex"

The copyright.tex is a one pages sometimes included in a master thesis:

```
\thispagestyle{empty}
\topmargin -10mm
\textwidth 160truemm
\textheight 240truemm
\oddsidemargin 0mm
\evensidemargin 0mm
\null
\vfill
\copyright
\enspace Copyright by KU Leuven
```

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A written permission of the promotor is also required to use the methods, products, schematics and programs described in this work for industrial or commercial use, and for submitting this publication in scientific contests.

- "preface.tex"

```
\cleardoublepage
\chapter*{Acknowledgements}\label{ch:acknowledgements}
\phantomsection
\addcontentsline{toc}{chapter}{Acknowledgements}

\cleardoublepage
\chapter*{Abstract}\label{ch:abstract}
\phantomsection
\addcontentsline{toc}{chapter}{Abstract}
```

- "appendix.tex"

```
\cleardoublepage
\begin{appendices}
\chapter{Any Chapter you like}\label{ch:any chapter you like}

\end{appendices}
```

STEP 3: FIGS-FOLDER

- Add the two figures included.
 - "LogoKULEuven.png"
 - "sedes.png"

STEP 4: REFS-FOLDER

- Add a file called "references.bib"
 - Include all your references here, or my example reference:

```
@article{perspectiveshistory,
title={Has the Battle Been Won? The Feminization of History},
author={Hunt, L.},
journal={Perspectives on History},
volume={36},
number={5},
year={1998},
doi={https://www.historians.org/publications-and-
directories/perspectives-on-history/may-1998/has-the-battle-been-won-
the-feminization-of-history}
}
```

STEP 5: RUN THE MASTER-FILE