UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded

Seminar Paper

Titel

Titel der Arbeit

Vorgelegt der Fakultät für Wirtschaftswissenschaften

der Universität Duisburg-Essen (Campus Essen)

von:
Max Mustermann
Musterstr. 90
12345 Essen
Matrikelnummer: **2251234**

Betreuer:	Univ.-Prof. Dipl.-Ing. Dr. Betreuer Name
Studiengang:	Angewandte Informatik — Network Engineering
Studiensemester:	Wintersemester 2016/2017

© 2017 by Max Mustermann

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
https://creativecommons.org/licenses/by-sa/4.0/

Contents

Contents I

Figures II

Tables II

Abstract 2

1 General 3

2 Sections 4
2.1 Subsections 4

3 Imports 5

4 Tables and Figures (and Equations!) 6
4.1 Tables 6
4.2 Figures, But Also Acronyms! 6

5 BibTeX and Footnotes 8

References 10

Figures

1 Example of an imported PDF graphic 7

Tables

1 Example of a table 6

Contents

Abstract

This document is a short example of how to use this template to write your own thesis. It gives a brief summary of the most important aspects and options that define this template.

1 General

There are 2 different class files available: mas-thesis-sections and mas-thesis-chapters. Use the first if you plan to write a short thesis like a Bachelor Project or a Case Study and ignore chapters for the most past. The latter is better suited for a Master Thesis or Dissertation because it allows you to divide your thesis better. But nothing stops you to divide your Bachelor Thesis in chapters if you think that it will fit.

2 Sections

This is an example of a numbered section. The section number increases automatically and does not need to be stated. To use a unnumbered section, just use `\section* {Name of unnumbered section}`. A section can be divided by multiple subsections.

2.1 *Subsections*

This is a numerated `\subsection`. There is also a `\subsubsection` command. To create an unnumbered subsection, just add * like needed for sections.

2.1.1 *Subsubsection*

And while we're at it, here's a sub-sub-section for you!

A paragraph

is you! But there are no dragons, sorry about that.

3 Imports

Large thesis like master thesis and dissertations often get very confusing when written in single document. You can import other .tex files with the `\include{other-latex-file.tex}` command. The formatting will be taken from the master file and the sections, figures, tables, footnotes, citations, etc. are integrated in the context of the master file.

4 Tables and Figures (and Equations!)

In LaTeX you can use tables and figures which will be automatically added to the List of Tables and List of Figures after the Table of Contents.

$$f(x) = \begin{cases} \frac{1}{\sigma x \sqrt{2\pi}} e^{-\frac{(\ln(x)-\mu)^2}{2\sigma^2}} & , x > 0 \\ 0 & , x \leq 0 \end{cases}$$

$$y = 1.1429124 \cdot \pi \tag{1}$$

$$x = 1000000 \tag{2}$$

4.1 *Tables*

Quantile	0.05	0.1	0.25	0.5	0.75	0.9
	−1.644	−1.281	−0.674	0.000	0.674	1.281
	−1.644	−1.281	−0.674	0.000	0.674	1.281
	−1.644	−1.281	−0.674	0.000	0.674	1.281

Table 1: Example of a table

4.2 *Figures, But Also Acronyms!*

Figures should be vector graphics where possible. LaTeXcan parse PDF and EPS out of the box but SVG can also be used with the svg package. If no vector graphics are available and you need to include raster graphics like JPEG, PNG, or BMP, make sure you have a high resolution and high DPI image. Note that the resulting PDF file can be very large when using a lot of raster graphics.

And don't forget, that you can (and really should use) acronyms all over the place. Like this: Active Queue Management (AQM), Analysis of Variances (ANOVAs), ASN.1. They should be automatically indexed as well.

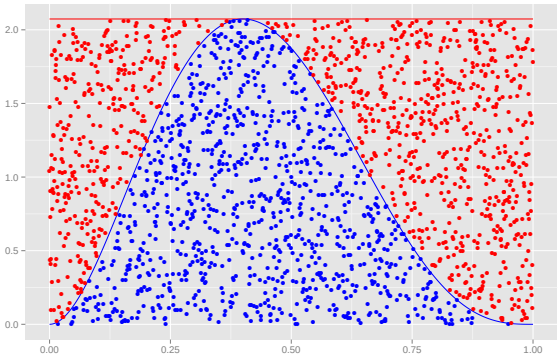

Figure 1: Example of an imported PDF graphic

5 BibTeX and Footnotes

Every thesis contains references. With BibTeX[1] you can easily define them in one or more files and load them with LaTeX and cite them at any time.[Mus99]

1 http://www.bibtex.org

Acknowledgments

If you want to acknowledge some people or projects, do it here.

References

[Mus99] M. Mustermann. *The title of the work*. 1st ed. Vol. 4. 10. An optional note. The name of the publisher, July 1999. ISBN: 12345678901.