Master's Thesis

Titel der Arbeit

Vorgelegt der Fakultät für Wirtschaftswissenschaften

der Universität Duisburg-Essen (Campus Essen)

by:

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Course of study:	Angewandte Informatik – Software and Network Engineering
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Acknowledgments

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

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: syssec-report and syssec-thesis.

2 Acronyms

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

3 Chapters and Sections

This is an example of a numbered chapter. The section number increases automatically and does not need to be stated. To use a unnumbered section (a.k.a. a special section), just use `\section*{Title of unnumbered chapter}`. The hierarchy is chapter → section → subsection → subsubsection → paragraph.

3.1 Section

You guessed it, this is one of those infamous *sections*.

3.1.1 Subsections

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

3.1.1.1 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.

4 Imports

Large, theses like masters' theses, 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 style is inherited from the master file and the sections, figures, tables, footnotes, citations, etc. are integrated in the context of the master file.

4.1 Tables and Figures

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.

4.1.1 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 4.1: Example of a table

4.1.2 Figures

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

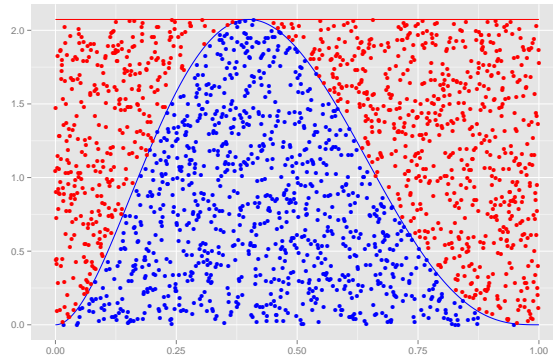image. Note that the resulting PDF file can be very large when using a lot of raster graphics.

Figure 4.1: Example of an imported PDF graphic

5 Some Blind Text

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

This is the second paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

And after the second paragraph follows the third paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

After this fourth paragraph, we start a new paragraph sequence. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text

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As can be seen in Listing 5.1, we have an example here. However, this example is not usable with Return-Oriented Programming (ROP).

```c
int main(int argc, char* argv[], char* env[])
{
  for (size_t i = 0; i < 10; i++) {
    printf("Hello %d\n", i);
  }
}
```

Listing 5.1: Example C Code

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6 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. This is an example [Mus10].

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[1]http://www.bibtex.org

Appendix

Suspendisse potenti. In hac habitasse platea dictumst. Nullam mattis metus eu quam dictum blandit. Nam nisl nibh, mattis eget laoreet at, tincidunt quis turpis. Nulla ac augue in lectus suscipit ultrices id ac odio. Ut a purus eget nulla adipiscing dapibus a vitae mi. Vestibulum tempor odio a ipsum sollicitudin porttitor. Phasellus porta metus a sem pellentesque eget vulputate urna interdum. Nam euismod odio at libero tempus id eleifend ipsum viverra. In hac habitasse platea dictumst.

Acronyms

ANOVA Analysis of Variance. 2
ASN.1 Abstract Syntax Notation One. 2
ROP Return-Oriented Programming. 2, 7

Ich versichere an Eides statt durch meine Unterschrift, dass ich die vorstehende Arbeit selbständig und ohne fremde Hilfe angefertigt und alle Stellen, die ich wörtlich oder annähernd wörtlich aus Veröffentlichungen entnommen habe, als solche kenntlich gemacht habe, mich auch keiner anderen als der angegebenen Literatur oder sonstiger Hilfsmittel bedient habe. Die Arbeit hat in dieser oder ähnlicher Form noch keiner anderen Prüfungsbehöde vorgelegen.

_____

Vorname Nachname, Essen, den 23.10.2020

Bibliography

[Mus10]   M. Mustermann. "The title of the work". In: *The name of the journal* 4.2 (July 2010). An optional note, pp. 22–23.