

# Styles and More

## $\text{\LaTeX}$ -Texte an der Hochschule Kaiserslautern



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# Chapter 1

## Introduction

This document is a short introduction for a template we use for documents in classes and seminars at the University of Applied Sciences Kaiserslautern. The basis for this template is a german version, and this document is based on a paper on documentation of online texts in Microsoft Word ([ZFH11]).

We suppose you have a working knowledge in  $\text{\LaTeX}$ . We still use BibTeX for the references, which might cause problems, especially if you have german "Umlaute" in the entries. We plan on switching to *biber* in the future. More on  $\text{\LaTeX}$  can be found in [MG05] und [Kop02] (sorry for the german references).

Tests are done on Windows 10 and MiKTeX 22.3. The german versions are also tested on a Debian distribution. It is known that students also use this files on a Mac.



# Chapter 2

## Packages and Style Files

### 2.1 The setup file `setup_english.tex`

To make sure the header of the main  $\text{\LaTeX}$ -file is not too long we put most of the settings in a file `setup_english`. There we load all needed packages and do the settings.

The rest can be seen in the documentation of the corresponding german version. We use an external file with definitions for class names, teacher names and more.

Here you find the values used for this document:

```
% Variablen für das Semester, die Vorlesung ...
\newcommand{\theSemester}{Summer~Term~2020}
% Variable für die Vorlesung
\newcommand{\theClass}{Styles and More}
% Variable für den Studiengang
\newcommand{\theCourse}{Documentation of Datei
  setup\_english.tex}
% Variable für den Namen der Hochschule
\newcommand{\theSchool}{University~of
  ~Applied~Sciences~Kaiserslautern}
% Variable für den Dozenten
\newcommand{\theTeacher}{Manfred~Brill}
%
% Verzeichnisse für Übungsaufgaben, Bitmaps, ...
%
% Verzeichnis für die Übungsaufgaben und Musterlösungen
```

```

\newcommand{\exercisePath}{./Uebungsaufgaben/}
% Verzeichnis für Bilder
\newcommand{\imagePath}{./images}

%
% Abbildungen für die Titelseite oder spezielle Markierungen
%
% Default-Titelbild der Lehrveranstaltung
\newcommand{\titleImage}{\imagePath/tugboat}
% Abbildung für die Angabe von Begleittexten
\newcommand{\lesenImage}{\imagePath/Misc/buchicon}
% Abbildung für die Angabe von vertiefenden Texten
\newcommand{\vertiefenImage}{\imagePath/Misc/reading}
% Abbildung für eine Marginalie zum Praxisbezug
\newcommand{\praxisImage}{\imagePath/Misc/gabel}
% Abbildung für ein Smiley
\newcommand{\smileImage}{\imagePath/Misc/smilie}

```

### 2.1.1 Used L<sup>A</sup>T<sub>E</sub>X-Packages

The file `setup_english.tex` use style files like the german version, especially `mbPDF_english.sty` und `mbmath.sty`. The big difference is the usage of `babel` with the option `english`.

### 2.1.2 Functions and Macros

All other functions and macros can be used like in the german version. Just make sure you use proper `english`.

## 2.2 References

This document uses the package `bibgerm` to reuse the german `bib`-file from the german documentation. Just get rid of this package by creating a proper `english bib`-file!



# Bibliography

- [Kop02] KOPKA, HELMUT: *LaTeX - Band 1: Einführung*. Addison-Wesley, 2002.
- [MG05] MITTELBACH, FRANK and GOOSSENS, MICHEL: *Der LaTeX-Begleiter*. Addison-Wesley, 2005.
- [ZFH11] ZFH: *Vorgaben zur Gestaltung von Lehrtexten*. ZFH, 2011.

