

The rub-kunstgeschichte class*

© Joran Schneyer[†]
joran.schneyer@ruhr-uni-bochum.de

2024-12-11

Contents

1 Introduction	2
2 Usage	2
2.1 Caveats	2
2.2 Class options	3
2.3 Macros	3
2.4 Translations	5
A Implementation	6
A.1 Class options	6
A.2 Base class	7
A.3 Loading packages	7
A.3.1 Bibliography	7
A.3.2 Document format	8
A.3.3 Other useful packages	9
A.4 Macros	9
A.5 Translations	13

*This document corresponds to rub-kunstgeschichte v0.4.0, dated 2024-12-11.

[†]Released under the LaTeX Project Public License v1.3c or later.

See <https://www.latex-project.org/lppl.txt>

1 Introduction

This L^AT_EX class aims to implement the guidelines on scientific writing of the art history institute (Kunstgeschichtliches Institut - short: KGI) at Ruhr University Bochum.¹

Note, that at this point this is not an official class made by anyone at the institute but rather a free-time hobby project of me, Joran, who knows L^AT_EX from studying Electrical Engineering and just wants to help out some friends studying art history.

You can find the latest releases and the development of this project at GitHub: <https://github.com/rub-kgi/rub-kunstgeschichte-latex>

2 Usage

To use this class, simply specify it as the document class.²

```
\documentclass{rub-kunstgeschichte}
```

2.1 Caveats

When using this class, some packages are loaded automatically with options (see also [subsection A.3](#)). That means that you can't reload the same package with different options without risking an option clash error. The relevant packages offer other ways to change their options in the preamble:

biblatex (*Pkg*) Customize citations and bibliography.

`\ExecuteBibliographyOptions[entrytype]{options}` can be used to set most options, but some can only be set at the time of loading the **biblatex** package. Those can be set in the class options using the **biblatex** key (see also [subsection 2.2](#)).

hyperref (*Pkg*) Customize behavior of clickable elements and pdf meta-data.

`\hypersetup{options}` should be used for nearly all options. The few options that can only be given at load time of the package have to be passed along using the **hyperref** class option (see also [subsection 2.2](#)).

setspace (*Pkg*) Overwrite the 1.5 line-spacing setting.

¹Guidelines version July 2023 https://kgi.ruhr-uni-bochum.de/wp-content/uploads/2023/04/Anleitung-zum-Erstellen-von-Hausarbeiten-im-Fach-Kunstgeschichte_Fassung-Juli-2023.pdf

²You can also find a complete example usage of this class in [Appendix B](#).

Either `\singlespacing`, `\doublespacing` or for custom spacing factors also `\setstretch{<baselinestretch>}`.

`geometry` (*Pkg*) Overwrite geometry options such as the page margin settings.

```
\geometry{<options>}
```

2.2 Class options

You can pass several `<options>` to the class by using

```
\documentclass[<options>]{rub-kunstgeschichte}
```

The `<options>` are key/value pairs that sometimes defer to a default value when only the key is given.

`biblatex` (*Opt*) Pass along options to the `biblatex` package. They overwrite default options set by this class.

`hyperref` (*Opt*) Pass along options to the `biblatex` package. They do **not** overwrite default options set by this class as they are set after loading the package using the `\hypersetup` command. To overwrite them, use `\hypersetup{<options>}` in the preamble.

`parskip` (*Opt*) Specify whether to load the `parskip` package to remove indentation at the start of paragraphs.
Default: `true`

`noparskip` (*Opt*) The complementary option to the `parskip` option.

Default: `true`

If neither `parskip` nor `noparskip` are given, the `parskip` package is automatically loaded by default.

2.3 Macros

`\printbibliographies` [`<options>`]

Prints the bibliography, divided into two subbibliographies. One for primary sources and one for secondary literature, as suggested in section 3.7.1 of the guidelines on page 14. It uses the keyword mechanism to distinguish primary sources i.e. in order for a bib entry to be sorted into the primary sources section, it needs the `source` keyword. E.g. the bible would be considered a primary source:

```
@inbook{bible,  
  author   = {{The Bible}},  
  title    = {The Holy Bible: King James Version},  
  ...  
  keywords = {source}  
}
```

All other entries which don't have the `source` keyword will be sorted into the secondary literature section of the bibliography.

You can customize the behavior of the macro using key-value $\langle options \rangle$. The option keys that are currently available are `heading`, `heading-primary` and `heading-secondary` to overwrite the headings of the bibliography and the two subbibliographies respectively.

`\maketitle` [$\langle titlepage-info \rangle$]

The native command `\maketitle` is redefined to create the title page according to the template in the guidelines. The new title page needs more information than the standard one. Besides the name of the author and title it needs more details about the author such as the matriculation number as well as information about the seminar the work is associated with. The extra info can be passed as key-value pairs to the optional $\langle titlepage-info \rangle$ argument of the redefined `\maketitle` macro or to the `\configureTitlepage` macro implemented for just this task. The following custom keys are implemented:

<code>email</code> (<i>Opt</i>) [titlepage]	<code>email:</code> The email of the author.
<code>matricnum</code> (<i>Opt</i>) [titlepage]	<code>matricnum:</code> The matriculation number of the author.
<code>author-semester</code> (<i>Opt</i>) [titlepage]	<code>author-semester:</code> The number of semesters the author has studied the subject.
<code>seminar-semester</code> (<i>Opt</i>) [titlepage]	<code>seminar-semester:</code> The semester in which the seminar takes place in. E.g. Sommersemester 2024 or Wintersemester 2023/24.
<code>seminar-lecturer</code> (<i>Opt</i>) [titlepage]	<code>seminar-lecturer:</code> The name of the lecturer of the seminar.
<code>seminar-name</code> (<i>Opt</i>) [titlepage]	<code>seminar-name:</code> The name of the seminar itself.
<code>seminar-degree</code> (<i>Opt</i>) [titlepage]	<code>seminar-degree:</code> The degree in which the author has taken the seminar in.
<code>seminar-module</code> (<i>Opt</i>) [titlepage]	<code>seminar-module:</code> The module in which the author has taken the seminar in.
<code>seminar-cp</code> (<i>Opt</i>) [titlepage]	<code>seminar-cp:</code> The credit points the author will be rewarded with when completing the seminar.

Additionally you should set the normal `\author`, `\date` and `\title` info in the preamble.

Note, that in contrast to e.g. the headers of the bibliography, the title page is not translated into the document language. The guidelines specify that exactly this template should be used and to our understanding this means that it should always be written in german, regardless of the document language.

`\appendix`

To indicate the end of the main content and start of the appendix, the `\appendix` command is used in L^AT_EX. Here, the command was redefined to automatically disable section numbering for the appendix as suggested in the guidelines. This means you can just use normal section commands such as

`\section{Figures}`

after calling

```
\appendix
```

and it will not have a section number.

2.4 Translations

The class uses the `translations` package to allow multi-lingual strings. The default language is english. To tell it which language it should use, you can load a package like `babel` with the corresponding language as the package option in the preamble. E.g. for german using the new spelling rules

```
\usepackage[ngerman]{babel}
```

All pre-defined strings this class prints on the page of the document (such as the headings of the bibliographies when using `\printbibliographies`) are available in multiple languages. So far this package only defines its strings for english and german, but you can define them for other languages too.³

The translation string definitions can be found in [subsection A.5](#).

³E.g. using the `\declaretranslation` command. For more info, refer to the documentation of the `translations` package: <https://ctan.org/pkg/translations>

A Implementation

A.1 Class options

The class options are defined as keyval options for great flexibility. They toggle some of the class features or customize their behavior.

`biblatex` (*Opt*) The `biblatex` option stores its content in a macro until it is later passed along to the `biblatex` package after specifying the default options (see [subsection A.3.1](#)). Therefore, options provided with this key overwrite the ones set per default by this class.

```
1 \DeclareKeys[rubkgi]{
2   biblatex.store = \@rubkgi@biblatexOptions,
3   biblatex.usage = load
4 }
```

`hyperref` (*Opt*) The `hyperref` option passes its content along immediately, to be used as options when the `hyperref` package is loaded. This will **not** overwrite default options set by this class as they are set after loading the package using `\hypersetup{<options>}` (see also [subsection A.3.3](#)).

```
5 \DeclareKeys[rubkgi]{
6   hyperref.code = \PassOptionsToPackage{#1}{hyperref},
7   hyperref.usage = load
8 }
```

Paragraph indentation First we define a TeX switch which is later used (see [subsection A.3](#)) to check whether to load the `parskip` package to remove the indentation at the start of paragraphs.

```
9 \newif\if@rubkgi@parskip
```

By default we set the switch to true, so the `parskip` package is normally loaded when using this class.

```
10 \@rubkgi@parskiptrue
```

`parskip` (*Opt*) Then we declare the key so the switch can be turned on and off by the user in the class options.

```
11 \DeclareKeys[rubkgi]{
12   parskip.if = @rubkgi@parskip,
13   parskip.usage = load,
```

`noparskip` (*Opt*) Finally we define the complementary key for easier disabling of the `parskip` feature.

```

14     noparskip.ifnot = @rubkgi@parskip,
15     noparskip.usage = load
16 }

```

Process options After defining the class options it is necessary to process them too in order to actually make use of them.

```

17 \ProcessKeyOptions[rubkgi]

```

A.2 Base class

article (*Cls*) The rub-kunstgeschichte class is based on the `article` class. When loading the class we specify `12pt` as the base font size, as required by the guidelines.

```

18 \LoadClass[12pt]{article}

```

A.3 Loading packages

A.3.1 Bibliography

biblatex (*Pkg*) To support bibliography facilities out of the box, the `biblatex` package is loaded. To customize the behavior, a few options are passed to the package.

```

19 \PassOptionsToPackage{

```

backend (*Opt*) [`biblatex`] Defines the backend program. To use all features of `biblatex`, the *biber* backend must be used.

```

20     backend=biber,

```

singletitle (*Opt*) [`biblatex`] Prints the title of a cited work in short citations only if there is more than one work of the same author.

```

21     singletitle=true,

```

autocite (*Opt*) [`biblatex`] Defines the behavior of the `\autocite` command, which in this case will behave like the `\footcite` command and will print citations in the footnotes instead of directly in the text.

```

22     autocite=footnote,

```

autopunct (*Opt*) [`biblatex`] Controls whether the citation commands scan ahead for punctuation marks and move the citation after the punctuation.

```

23     autopunct=true
24 }{\biblatex}

```

biblatex-arthistory-bonn (*Pkg*) Further approximation of the suggested bibliography and citation styles in the guidelines is achieved by using the **biblatex-arthistory-bonn** package. To use it, a few more options are passed to **biblatex**:

```
25 \PassOptionsToPackage{
```

style (*Opt*) [**biblatex**] The **arthistory-bonn** style provided by the **biblatex-arthistory-bonn** package is suited to approximate the citation style suggested in the guidelines.

```
26   style=arthistory-bonn,
```

The following options of the **arthistory-bonn** **biblatex** style are set to further implement the guidelines:

firstcitefull (*Opt*) [**biblatex**] Delivers a full citation for the first occurrence of an entry.

```
27   firstcitefull=true,
```

enddot (*Opt*) [**biblatex**] Every bibliography entry will end with a dot.

```
28   enddot=true,
```

The next **arthistory-bonn** option is not implementing any part of the guidelines but is still useful:

namelinked (*Opt*) [**biblatex**] Both name and year in a short citation will link to the respective bibliography entry.

```
29   namelinked=true
30 }{\biblatex}
```

After specifying the default options, we pass along the ones that might have been set in the class options.

```
31 \PassOptionsToPackage{\@rubkgi@biblatexOptions}{biblatex}
```

And finally the **biblatex** package is loaded.

```
32 \RequirePackage{biblatex}
```

A.3.2 Document format

setspace (*Pkg*) To achieve 1.5 times line spacing as required by the guidelines, we simply load the package **setspace** with the **onehalfspacing** option.

```
33 \RequirePackage[onehalfspacing]{setspace}
```

geometry (*Pkg*) Used to set page size and margins. The guidelines require 2cm top, left and bottom margins as well as a 4cm correction margin on the right side. Furthermore A4 paper is the standard page size here.


```

34 \RequirePackage[
35     a4paper,
36     top=2cm,left=2cm,bottom=2cm,right=4cm
37 ]{geometry}

```

`parskip` (*Pkg*) To avoid indentation at the start of paragraphs, the `parskip` package is loaded if the corresponding switch is set to true. See also [subsection A.1](#).

```

38 \if@rubkgi@parskip
39     \RequirePackage{parskip}
40 \fi

```

A.3.3 Other useful packages

`hyperref` (*Pkg*) Makes links and references clickable.

```
41 \RequirePackage{hyperref}
```

By default, we configure it to not highlight clickable elements.

```
42 \hypersetup{hidelinks}
```

`translations` (*Pkg*) Used internally by the class to create multilingual strings that react to the document language set e.g. by `babel`.

```
43 \RequirePackage{translations}
```

`tabularx` (*Pkg*) To make fancy tables. Is used e.g. in the title page.

```
44 \RequirePackage{tabularx} % For fancy tables. Is used in title page.
```

`boxedminipage` (*Pkg*) Used by title page.

```
45 \RequirePackage{boxedminipage} % Used in title page.
```

A.4 Macros

`\printbibliographies` Prints the bibliography using the native `\printbibliography` macro, but divides it into sections for primary sources and secondary literature. The keyword `source` is used to sort entries into the primary sources section.

We start by defining the macro with an optional argument that is passed to `\SetKeys` to allow customization using key-value pairs.

```

46 \newcommand{\printbibliographies}[1] []{%
47     \SetKeys[rubkgi@printbibliographies]{#1}%

```

We add an entry to the table of contents and insert the main bibliography heading.

```

48 \addcontentsline{toc}{section}{%
49 \texorpdfstring{\@rubkgi@bibheading}{bibliography}%
50 }%
51 \printbibheading[%
52 heading = bibliography,%
53 title = {\@rubkgi@bibheading}%
54 ]

```

Then we print the subbibliographies.

```

55 \printbibliography[%
56 keyword = source,%
57 heading = subbibliography,%
58 title = {\@rubkgi@bibheading@primary}%
59 ]
60 \printbibliography[%
61 notkeyword = source,%
62 heading = subbibliography,%
63 title = {\@rubkgi@bibheading@secondary}%
64 ]
65 }

```

For greater flexibility we define the heading strings as internal macros that can be redefined by the user with key-value options and use the translations package for the default strings. See [subsection A.5](#) for the implementation of the translations. We don't want heading strings to include paragraphs, this is why we use the starred variant of `\newcommand`.

```

66 \newcommand*{\@rubkgi@bibheading}{%
67 \GetTranslationWarn{Bibliography}
68 }
69 \newcommand*{\@rubkgi@bibheading@primary}{%
70 \GetTranslationWarn{Primary Bibliography}
71 }
72 \newcommand*{\@rubkgi@bibheading@secondary}{%
73 \GetTranslationWarn{Secondary Bibliography}
74 }

```

Finally, we declare the keys that the user can use to redefine the headings.

```

75 \DeclareKeys[rubkgi@printbibliographies]
76 {
77 heading .store = \@rubkgi@bibheading,
78 heading-primary .store = \@rubkgi@bibheading@primary,
79 heading-secondary .store = \@rubkgi@bibheading@secondary
80 }

```

`\maketitle` We redefine the `\maketitle` macro to print a custom title page. We also add the ability to customize it using key-value pairs in the optional argument.

```

81 \renewcommand{\maketitle}[1][ ]{%
82 \SetKeys[rubkgi@titlepage]{#1}%
83 \@rubkgi@maketitle%

```

84 }

`\@rubkgi@maketitle` The custom title page is defined as a dedicated internal command.

```
85 \newcommand{\@rubkgi@maketitle}{
```

It uses the `titlepage` environment to dedicate a full page to the title. Inside, it uses groups, minipages and `tabularx` tables to arrange the fields to resemble the template of the guidelines.

```
86 \begin{titlepage}
87 % set page margins for the title page
88 \newgeometry{left=2.5cm,top=2.5cm,bottom=2cm,right=2.5cm}%
89 % define the width of the grade box
90 \def\@rubkgi@titlepage@gradebox@width{5.03cm}%
91 %
92 % create a group for the top part of the title page
93 {\raggedright%
94 % create a minipage for the top left part
95 \begin{minipage}[t]%
96 % calculate the width of the top left part
97 % based on the grade box width
98 {\dimexpr\textwidth%
99 -\@rubkgi@titlepage@gradebox@width%
100 -0.5cm\relax}%
101 \vspace{0pt}% somehow helps aligning at the top
102 \begin{tabularx}{\linewidth}{@{}lX}%
103 \multicolumn{2}{@{}l}{%
104 Ruhr-Universität Bochum%
105 }\\%
106 \multicolumn{2}{@{}l}{%
107 Fakultät für Geschichtswissenschaft%
108 }\\%
109 \multicolumn{2}{@{}l}{%
110 Kunstgeschichtliches Institut%
111 }\\%
112 \multicolumn{2}{@{}l}{%
113 \@rubkgi@titlepage@seminar@semester%
114 }\\%
115 Dozent:in: & \@rubkgi@titlepage@seminar@lecturer\\%
116 Seminartitel: & \@rubkgi@titlepage@seminar@name\\%
117 Studiengang: & \@rubkgi@titlepage@seminar@degree\\%
118 Modul: & \@rubkgi@titlepage@seminar@module\\%
119 Kreditpunkte: & \@rubkgi@titlepage@seminar@creditpoints\\%
120 \end{tabularx}%
121 \end{minipage}%
122 % align grade box on the right side by filling in the gap
123 \hfill%
124 % define the grade box as a boxedminipage
125 \begin{boxedminipage}[t][3.78cm][t]%
126 {\@rubkgi@titlepage@gradebox@width}%
127 % leave a little space and add the text inside
128 \vspace{1em}%
```

```

129     \hspace{1em}Note:%
130     \end{boxedminipage}%
131     }% top part ends here
132     %
133     \vfill% vertical space to fill
134     %
135     % create center part (title and author)
136     \begin{center}%
137     % add title relatively LARGE
138     {\LARGE \@title \par}%
139     \vskip 2em% add space between title and author
140     % add author slightly larger than normal text
141     {\large \@author \par}%
142     % end the center environment
143     % and switch back to normal paragraph text style
144     \end{center}\par%
145     %
146     \vfill% fill gap to put next part at bottom
147     %
148     % create bottom part
149     {\raggedright%
150     \begin{tabular}{@{}l}%
151         Matrikelnr.: & \@rubkgi@titlepage@author@matricnum\\%
152         % Add email as a clickable link
153         Email: & \href{mailto:\@rubkgi@titlepage@author@email}%
154                 {\@rubkgi@titlepage@author@email}\\%
155         Fachsemester: & \@rubkgi@titlepage@author@semester\\%
156         Abgabetermin: & \@date\\%
157     \end{tabular}
158     }%
159     \end{titlepage}%

```

The guidelines specify that the titlepage counts towards the page numbers but should not display one. Therefore we set the page number counter to two after the title page.

```

160     \setcounter{page}{2}%

```

We also reset the geometry to the one defined before the title page and then end the custom titlepage macro.

```

161     \restoregeometry%
162 }

```

The custom title page needs extra information which we want the user to be able to set via key-value pairs. We first define the key-value pairs and then set the defaults.

```

163 \DeclareKeys[rubkgi@titlepage]
164 {
165     email .store = \@rubkgi@titlepage@author@email,
166     matricnum .store = \@rubkgi@titlepage@author@matricnum,
167     author-semester .store = \@rubkgi@titlepage@author@semester,

```

```

168 seminar-semester .store = \@rubkgi@titlepage@seminar@semester,
169 seminar-lecturer .store = \@rubkgi@titlepage@seminar@lecturer,
170 seminar-name .store = \@rubkgi@titlepage@seminar@name,
171 seminar-degree .store = \@rubkgi@titlepage@seminar@degree,
172 seminar-module .store = \@rubkgi@titlepage@seminar@module,
173 seminar-cp .store = \@rubkgi@titlepage@seminar@creditpoints
174 }
175 \SetKeys[rubkgi@titlepage]
176 {
177 email = {YOUR-EMAIL},
178 matricnum = {YOUR MATRICULATION NUMBER},
179 author-semester = {YOUR NUMBER OF SEMESTERS},
180 seminar-semester = {THE SEMESTER IN WHCIH THE SEMINAR IS HELD},
181 seminar-lecturer = {NAME OF SEMINAR LECTURER},
182 seminar-name = {NAME OF THE SEMINAR},
183 seminar-degree = {DEGREE SEMINAR IS TAKEN IN},
184 seminar-module = {MODULE SEMINAR IS TAKEN IN},
185 seminar-cp = {SEMINAR CP}
186 }

```

`\configureTitlepage` Lastly, we create a macro that can be used in the preamble to set the titlepage info keys.

```

187 \newcommand{\configureTitlepage}[1]{%
188   \SetKeys[rubkgi@titlepage]{#1}%
189 }

```

`\appendix` To automatically disable section numbering in appendix sections, we redefine `\appendix` to include setting the section numbering depth to zero. First, we save the old appendix definition in a different macro.

```
190 \let\oldappendix\appendix%
```

Then we redefine the `\appendix` command

```
191 \renewcommand{\appendix}{%
```

starting with the old appendix macro

```
192   \oldappendix%
```

and extending it with setting the section numbering depth to zero, which will result in disabled section numbers.

```
193   \setcounter{secnumdepth}{0}%
194 }

```

A.5 Translations

The translations package offers an easy interface to create multilingual strings. We can define them all at once here, at the end of the class, since they are only used

when the user commands are expanded in the document.

Bibliography headings

The translations package already comes with translations for the main heading of the bibliography. Additionally, we provide the headings for the subbibliographies in english and german.

```
195 \DeclareTranslation{english}{Primary Bibliography}{Primary sources}  
196 \DeclareTranslation{german}{Primary Bibliography}{Primärliteratur}  
197 \DeclareTranslation{english}{Secondary Bibliography}{Secondary literature}  
198 \DeclareTranslation{german}{Secondary Bibliography}{Sekundärliteratur}
```

B Example

To further exemplify the use of this class, we create an example `.tex` file. The full `rub-kunstgeschichte-example.tex` and the corresponding PDF are available on GitHub.⁴

First, the `rub-kunstgeschichte` class is loaded

```
199 \documentclass{rub-kunstgeschichte}
```

followed by the information that is needed to typeset a normal title:

```
200 \title{Example usage of the \textsf{rub-kunstgeschichte} class}
201 \author{Joran Schneyer}
```

For the custom title we need to set additional information, such as

```
202 \configureTitlepage{
203     email = {joran.schneyer@ruhr-uni-bochum.de}
204 }
```

We leave the rest to their default values for now.

For citations, the bibtex entries are usually written to a separate `.bib` file. For the sake of this example we keep everything in one `.tex` file and use the `filecontents` environment instead.

```
205 \begin{filecontents}{rub-kunstgeschichte-example.bib}
206 @manual{guidelines,
207     author = {{Kunstgeschichtliches Institut}},
208     year   = {2023},
209     title  = {Anleitung zur Erstellung von Hausarbeiten im Fach Kunstgeschichte},
210     organization = {Ruhr University Bochum},
211     url    = {https://kgi.ruhr-uni-bochum.de/wp-content/uploads/2023/04/Anleitung-zum-Erstele},
212     urldate = {2024-11-04}
213 }
214 @article{exampleArticle,
215     author = {Maxi Mustermann},
216     title  = {A very interesting article},
217     year   = {2001},
218     journal = {Important example journal}
219 }
220 @book{exampleBook,
221     author   = {John Smith},
222     title    = {A long example book marked as primary literature},
223     year     = {2024},
224     keywords = {source}
225 }
226 @inbook{bible,
227     author = {{The Bible}},
228     title  = {The Holy Bible: King James Version},
```

⁴<https://github.com/rub-kgi/rub-kunstgeschichte-latex/releases>

```

229     booktitle = {The New Testament},
230     publisher = {Oxford University Press},
231     year      = {1769},
232     location  = {Oxford},
233     keywords  = {source}
234 }
235 @online{exampleWebsite,
236     author   = {{Example consortium}},
237     title    = {The truth about example documents},
238     year     = {2020},
239     note     = {Internet forum article},
240     url      = {https://example.com},
241     urldate  = {2100-04-01}
242 }
243 @manual{biblatexDocs,
244     author   = {Philip Kime and Moritz Wemheuer and Philipp Lehman},
245     title    = {The biblatex Package},
246     subtitle = {Programmable Bibliographies and Citations},
247     year     = {2024},
248     url      = {https://ctan.org/pkg/biblatex},
249     urldate  = {2024-06-25}
250 }
251 @online{biblatexCheatsheet,
252     title    = {Biblatex Cheat Sheet},
253     author   = {Clea F. Rees},
254     year     = {2017},
255     url      = {https://ctan.org/pkg/biblatex-cheatsheet},
256     urldate  = {2024-06-25}
257 }
258 \end{filecontents}

```

After that, we need to load the bibliography to use it with biblatex.

```
259 \addbibresource{rub-kunstgeschichte-example.bib}
```

To set our language to german (using the new spelling rules) we load babel.

```
260 \usepackage[ngerman]{babel} % Sets the language of the document
```

For including the graphics and placing them where we want them, we load the graphicx and float packages.

```
261 \usepackage{graphicx}
262 \usepackage{float}
```

Having finished the preamble, we begin the document, typeset the title and include a table of contents.

```
263 \begin{document}
264     \maketitle
265     \tableofcontents
```

Next we add different sections that explain common usage and some features of

this class.

```
266 \section{Introduction}
267 The \textsf{rub-kunstgeschichte} class aims to implement
268 the guidelines on scientific writing of the art history institute
269 ‘‘KGI’’ (\textit{Kunstgeschichtliches Institut})
270 at Ruhr University Bochum.
271
272 This example document showcases a typical use
273 of the \textsf{rub-kunstgeschichte} class.
274 Just by using the class, the page is already formatted
275 so that the typeset text has 12pt font size,
276 there is a 1.5 times line-spacing present
277 and the page size is A4 with 2cm margins at top, left and bottom,
278 as well as a 4cm margin on the right.\autocite[See:][11]{guidelines}
279
280 Also, paragraphs don’t have an indentation
281 in the first line by default,
282 contrary to typical \LaTeX{} documents.
283 Furthermore the \texttt{hyperref} package
284 is automatically loaded to enable clickable
285 links and references.
286
287 Notably, the first page is a custom title page
288 that aims to recreate the titlepage template
289 of the guidelines in \LaTeX.
290 Note, how the fields have descriptive default values in CAPS,
291 so that you can easily see which information is still missing
292 for the title page.
293 As the documentation of this class states,
294 you can either pass the corresponding key-value options
295 into an optional argument of \verb|\maketitle|,
296 or use the \verb|\configureTitlepage| macro
297 in the preamble.\footnote{For a full list of titlepage options
298 refer to the \texttt{rub-kunstgeschichte} class documentation.}
299
300 We use the \texttt{babel} package
301 to set the language to german
302 (even though this example document is actually written in english)
303 to showcase how headings are automatically translated.
304
305 \section{How to cite sources}
306 This class automatically loads the \texttt{biblatex} package
307 for sophisticated bibliography and citations.
308 The class also sets some options by default
309 that make \texttt{biblatex} behave closer to the
310 suggested citation style in the guidelines of the institute.
311
312 You can cite sources using the \verb|\autocite| command,
313 which is configured by this class to use footnotes
314 \autocite{exampleArticle}.
315 Page numbers can be added in the optional argument
316 \autocite[394]{exampleBook}
317 and citation signals in a second one
```

318 that comes before the one for page numbers
319 `\autocite[see][1]{exampleWebsite}`.
320 You can even cite multiple sources at once
321 using the `\verb|\autocites|` command
322 `\autocites[111]{exampleBook}[see also][13]{exampleArticle}`.
323
324 For more information refer to the documentation
325 of the `\texttt{biblatex}` package
326 `\autocite{biblatexDocs}`
327 or the `biblatex` cheatsheet
328 `\autocite{biblatexCheatsheet}`.
329
330 `\clearpage`
331 `\appendix`
332
333 `\section{The appendix}`
334
335 We finished the main content of the example document
336 so we call `\verb|\appendix|` before this first appendix section.
337 It will automatically disable section numbering
338 for any appendix sections.
339
340 Here, we can include a bibliography
341 containing all cited sources,
342 divided into primary and secondary literature,
343 with `\verb|\printbibliographies|`.
344 Primary literature (also called a `\textit{source}`)
345 is something like the bible `\autocite{bible}`,
346 letters, treatises etc.
347 We put the bibliography on a new page
348 by using `\verb|\clearpage|` before printing it.
349 Note, that since we used
350 `\verb|\usepackage[ngerman]{babel|}` in the preamble,
351 the headings of the bibliography are typed in german.
352
353 `\clearpage`
354 `\printbibliographies`
355
356 `\clearpage`
357 `\section{Figures}`
358
359 The guidelines suggest putting all figures
360 in a dedicated appendix section
361 after the bibliography instead of in between the
362 main content text. `\autocite[10,25]{guidelines}`
363
364 We can include figures with `\verb|\includegraphics|`
365 inside a `\texttt{figure}` environment.
366 We also add a caption with the meta information
367 of the shown artwork, `\autocite[25--26]{guidelines}`
368 as well as a short caption in square brackets
369 and a label for back-referencing.
370
371 `\begin{figure}[H]`

```
372     \centering
373     \includegraphics[width=0.8\linewidth]{example-image-golden}
374     \caption{An Artist, The artwork title, Where was it made?,
375             The year, Material, Measurements, Where is it kept?,
376             Inventory number.}
377     \label{fig:exampleArtwork}
378 \end{figure}
```

Finally we end the document environment

```
379 \end{document}
```

Change History

v0.1.0		authortitle-dw.	7
General: Initial version	1	Use translations package for	
v0.2.0		multi-lingual support.	13
General: Use biblatex with		\maketitle: Redefined for custom	
authortitle-dw style from		title page according to	
biblatex-dw package.	7	template in guidelines.	10
Use hyperref for clickable links		\printbibliographies: was added	9
and references.	9	v0.4.0	
Use parskip to avoid paragraph		\appendix: redefined to disable	
indentation	9	section numbering	13
v0.3.0		\printbibliographies: Fix:	
General: Use arthistory-bonn		Unwanted space before	
biblatex style instead of		bibliography headings	9

Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols	B	<code>\clearpage</code>
<code>\@rubkgi@biblatexOptions</code>	<code>backend</code> (option)	. 330, 348, 353, 356
. 2, 31	[biblatex]	7
<code>\@rubkgi@maketitle</code> . 85	[biblatex]:	. . . 4, 187, 202, 296
<code>\@rubkgi@parskiptrue</code> 10	<code>autocite</code> (option) . 7	D
<code>\</code> . . . 105, 108, 111,	<code>autopunct</code> (option) 7	<code>\DeclareKeys</code>
114, 115, 116,	<code>backend</code> (option) . . 7	. . . 1, 5, 11, 75, 163
117, 118, 119,	<code>enddot</code> (option) . . . 8	<code>\DeclareTranslation</code>
151, 154, 155, 156	<code>firstcitefull</code>	. 195, 196, 197, 198
A	(option) 8	<code>\def</code> 90
<code>\addbibresource</code> . . . 259	<code>namelinked</code>	<code>\dimexpr</code> 98
<code>\addcontentsline</code> . . 48	(option) 8	<code>\documentclass</code> 199
<code>\appendix</code> 4, 190, 331, 336	<code>singletitle</code>	E
<code>article</code> (class) 7	(option) 7	<code>email</code> (option)
<code>author-semester</code>	<code>style</code> (option) 8	[titlepage] 4
(option)	<code>biblatex</code> (option) . . 1, 3	<code>enddot</code> (option)
[titlepage] 4	<code>biblatex</code> (package) . 2, 7	[biblatex] 8
<code>\autocite</code>	<code>biblatex-arthistory-bonn</code>	F
. 278, 312, 314,	(package) 8	<code>firstcitefull</code> (option)
316, 319, 326,	<code>boxedminipage</code> (pack-	[biblatex] 8
328, 345, 362, 367	age) 9	<code>\footnote</code> 297
<code>autocite</code> (option)	C	G
[biblatex] 7	<code>\caption</code> 374	<code>geometry</code> (package) . 3, 8
<code>\autocites</code> . . . 321, 322	<code>\centering</code> 372	
<code>autopunct</code> (option)	Classes:	
[biblatex] 7	<code>article</code> 7	

<code>\GetTranslationWarn</code>	..... 67, 70, 73		
H			
<code>\hfill</code>	..... 123		
<code>\href</code>	..... 153		
<code>\hspace</code>	..... 129		
<code>hyperref</code> (option)	.. 3, 5		
<code>hyperref</code> (package)	. 2, 9		
<code>\hypersetup</code>	..... 42		
I			
<code>\if@rubkgi@parskip</code>	9, 38		
<code>\includegraphics</code>	..... 364, 373		
L			
<code>\label</code>	..... 377		
<code>\LARGE</code>	..... 138		
<code>\large</code>	..... 141		
<code>\let</code>	..... 190		
<code>\linewidth</code>	... 102, 373		
<code>\LoadClass</code>	..... 18		
M			
<code>\maketitle</code>	4, 81, 264, 295		
<code>matricnum</code> (option)	[titlepage] ... 4		
<code>\multicolumn</code>	..... 103, 106, 109, 112		
N			
<code>namelinked</code> (option)	[biblatex] 8		
<code>\newgeometry</code>	..... 88		
<code>\newif</code>	..... 9		
<code>noparskip</code> (option)	. 3, 14		
O			
<code>\oldappendix</code>	.. 190, 192		
Options:			
<code>author-semester</code>	[titlepage] ... 4		
<code>autocite</code>	[biblatex] 7		
<code>autopunct</code>	[biblatex] 7		
<code>backend</code> [biblatex]	7		
<code>biblatex</code>	..... 1, 3		
<code>email</code> [titlepage]	. 4		
<code>enddot</code> [biblatex]	. 8		
<code>firstcitefull</code>	[biblatex] 8		
<code>hyperref</code>	..... 3, 5		
<code>matricnum</code>	[titlepage] ... 4		
<code>namelinked</code>	[biblatex] 8		
<code>noparskip</code>	..... 3, 14		
<code>parskip</code>	..... 3, 11		
<code>seminar-cp</code>	[titlepage] ... 4		
<code>seminar-degree</code>	[titlepage] ... 4		
<code>seminar-lecturer</code>	[titlepage] ... 4		
<code>seminar-module</code>	[titlepage] ... 4		
<code>seminar-name</code>	[titlepage] ... 4		
<code>seminar-semester</code>	[titlepage] ... 4		
<code>singletitle</code>	[biblatex] 7		
<code>style</code> [biblatex]	.. 8		
P			
Packages:			
<code>biblatex</code>	..... 2, 7		
<code>biblatex-arthistory-bonn</code>	..... 8		
<code>boxedminipage</code>	... 9		
<code>geometry</code>	..... 3, 8		
<code>hyperref</code>	..... 2, 9		
<code>parskip</code>	..... 9		
<code>setspace</code>	..... 2, 8		
<code>tabularx</code>	..... 9		
<code>translations</code>	..... 9		
<code>\par</code>	..... 138, 141, 144		
<code>parskip</code> (option)	... 3, 11		
<code>parskip</code> (package)	... 9		
<code>\PassOptionsToPackage</code>	..... 6, 19, 25, 31		
<code>\printbibheading</code>	.. 51		
<code>\printbibliographies</code>	... 3, 46, 343, 354		
<code>\printbibliography</code>	..... 55, 60		
<code>\ProcessKeyOptions</code>	. 17		
R			
<code>\raggedright</code>	... 93, 149		
<code>\relax</code>	..... 100		
<code>\renewcommand</code>	.. 81, 191		
<code>\RequirePackage</code>	... 32, 33, 34, 39, 41, 43, 44, 45		
<code>\restoregeometry</code>	.. 161		
S			
<code>seminar-cp</code> (option)	[titlepage] ... 4		
<code>seminar-degree</code> (option)	[titlepage] ... 4		
<code>seminar-lecturer</code> (option)	[titlepage] ... 4		
<code>seminar-module</code> (option)	[titlepage] ... 4		
<code>seminar-name</code> (option)	[titlepage] ... 4		
<code>seminar-semester</code> (option)	[titlepage] ... 4		
<code>\setcounter</code>	... 160, 193		
<code>\SetKeys</code>	47, 82, 175, 188		
<code>setspace</code> (package)	. 2, 8		
<code>singletitle</code> (option)	[biblatex] 7		
<code>style</code> (option)	[biblatex] 8		
T			
<code>tabularx</code> (package)	... 9		
<code>\textit</code>	..... 269, 344		
<code>\textsf</code>	... 200, 267, 273		
<code>\texttt</code>	283, 298, 300, 306, 309, 325, 365		
<code>\textwidth</code>	..... 98		
[titlepage]:			
<code>author-semester</code> (option)	..... 4		
<code>email</code> (option)	... 4		
<code>matricnum</code> (option)	4		
<code>seminar-cp</code> (option)	..... 4		
<code>seminar-degree</code> (option)	..... 4		
<code>seminar-lecturer</code> (option)	..... 4		
<code>seminar-module</code> (option)	..... 4		
<code>seminar-name</code> (option)	..... 4		
<code>seminar-semester</code> (option)	..... 4		
<code>translations</code> (package)	..... 9		
U			
<code>\usepackage</code>	..... 260, 261, 262, 350		

V

<code>\vfill</code>	133, 146	<code>\vskip</code>	139
		<code>\vspace</code>	101, 128