The univie-ling-paper class

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Abstract

The univie-ling-paper class provides a \LaTeX\ class suitable for papers (i.e., \[\text{Pro}]\Seminararbeiten) in (Applied) Linguistics at the Department of Linguistics, University of Vienna. The class implements some standards for those papers (such as a suitable title page) and pre-loads some packages that are considered useful in the context of Applied Linguistics. The class might also be used for General and Historical Linguistics as well as for other fields of study at Vienna University. In this case, however, some settings might have to be adjusted. This manual documents the class as well as the configuration possibilities.

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1 Aims and scope

The univie-ling-paper class has been written mainly with my own field in mind: Applied Linguistics. Therefore, the defaults are closely tied to the requirements in this field. This particularly concerns the preloaded bibliography style, which conforms to the standards that are proposed by the Viennese Applied Linguistics staff (see sec. 9). Furthermore, some frequently used packages (such as covington) are pre-loaded. As documented later, however, you can disable this (and other) default(s), use a bibliography style of your choice and load alternative packages.

The design matches as closely as necessary the standards set up by the university. This particularly concerns the title page, which takes the recommendations specified by the StudienServiceCenter as a model.¹ These specifications actually address theses, not research proposals (for which no title page specifications exist), but I think it makes sense to adapt them.

2 Requirements of univie-ling-paper

The following class and packages are required and loaded by univie-ling-paper:

- scrartcl: KOMA-Script article class (base class).
- csquotes: Context sensitive quotations.
- graphicx: Graphic support.
- l3keys: Key-value interface for class options.
- setspace: Line spacing adjustments.
- translator: Localization machinery.
- url: Support for typesetting URLs.

The following packages are required for specific features and loaded by default. However, the loading can be individually and generally omitted (see sec. 4):

- mathpazo: Default serif font (Palatino).
- urw-arial or helvet: Default sans serif font (Arial or Helvetica).
- sourcecodepro: Default monospaced font (Source Code Pro).
- biblatex: Contemporary bibliography support.
- caption: Caption layout adjustments.

• covington: Support for linguistic examples/glosses.
• inputenc: Set the input encoding of the document. The encoding used is utf8.
• microtype: Micro-typographic adjustments.
• prettyref: Verbose cross-references.
• varioref: Context-sensitive cross references.

The following packages are required for optional features (not used by default):

• biblatex-apa: APA style for biblatex.
• draftwatermark: Create a draft mark.
• fontsdesc: Load OpenType fonts (with LuaTeX or XeTeX).
• polyglossia: Multi-language and script support.

3 Fonts

The class uses, by default, PostScript (a. k. a. Type 1) fonts and thus requires classic (PDF)LaTeX. Optionally, however, you can also use OpenType fonts via the fontsdesc package and the XeTeX or LuaTeX engine instead. In order to do this, use the class option `fonts=otf` (see sec. 4 for details).

In both cases, the class uses by default Palatino as a serif font, Arial (or, alternatively, Helvetica) as a sans serif font, and Source Code Pro as a monospaced (typewriter) font. Note that Arial (PostScript) font support is not included in most TeX distributions by default, due to license reasons. You can install it easily via the getnonfreefonts script.² If Arial is not installed, however, Helvetica (which is part of the TeX core packages) is used as a fallback. This is usually a suitable alternative, since Arial and Helvetica only differ in subtle details. If you use `fonts=otf`, you just have to make sure that you have the fonts Arial, Palatino and Source Code Pro installed on your operating system (with exactly these names, i. e., fonts named Arial Unicode MS or Linotype Palatino will not be recognized!).

As to font selection: Arial is used in the official title page template³, so I used that (with the mentioned fallback, Helvetica). A serif font recommendation is not given. The corporate design manual of the university suggests Source Serif Pro, but this font is too heavy for an academic paper (and we cannot use the suggested sans, Source Sans Pro, anyway). A somewhat standard for academic papers and theses is Times New Roman, but I think this runs too small for the text block size we have (as the name suggests, this font has been developed for the small columns of newspapers), and it is also pretty overused. The selected font, Palatino, in contrast, suits well to wider text lines, it is well supported in TeX, and it fits with Helvetica. The monospaced font, Source Code Pro, is a good companion to this pair.

If you (or your instructor) prefer(s) Times New Roman over Palatino nevertheless, write to your preamble

³See https://linguistics.univie.ac.at/studium/masterstudium/masterarbeit/.
\usepackage{mathptmx}

if you use PostScript Fonts, or

\setmainfont{Times New Roman}

if you use fonts=otf, respectively.

If you do neither like Palatino nor Times: A recommendable serif font (and actually the former 'professional' house font of Vienna university) is MinionPro, supported by the excellent FontPro package.\footnote{https://github.com/sebschub/FontPro <25. 01. 2017>}. However, some effort is needed to install the package and fonts. Please refer to the package's documentation in case you are interested. A more accessible alternative, with a similar style than MinionPro, is the CrimsonPro font, which is available in modern \TeX\ distributions via the cochineal package. Another good option is the font this manual is typeset in, Linux Libertine (via the libertine package).

Note that by default, with PostScript fonts, univie-ling-paper also loads the fontenc package with T1 font encoding, but this can be customized (see sec. 4 for details).

If you want (or need) to load all fonts and font encodings manually, you can switch off all automatic loading of fonts and font encodings by the class option fonts=none (see sec. 4).

\section{Class Options}

The univie-ling-paper class provides a range of key=value type options to control the font handling, package loading and some specific behavior. These are documented in this section.

\subsection{Font selection}

As elaborated above, the package supports PostScript fonts (via LaTeX and PDFLaTeX) as well as OpenType fonts (via XeTeX and LuaTeX). PostScript is the traditional LaTeX font format. Specific LaTeX packages and metrics files are needed to use the fonts (but all fonts needed to use this class should be included in your LaTeX distribution and thus ready to use). OpenType fonts, by contrast, are taken directly from the operating system. They usually provide a wider range of glyphs, which might be a crucial factor for a linguistic paper. However, they can only be used by newer, partly still experimental \TeX\ engines such as XeTeX and LuaTeX.

The class provides the following option to set the font handling:

selected, finally, the class will not load any font package at all, and neither \fontenc\ (this choice is useful if you want to control the font handling completely yourself).

With PostScript fonts, univie-ling-paper also loads the \fontenc\ package with \texttt{T1} font encoding, which is suitable for most Western European (and some Eastern European) writing systems. In order to load different, or more, encodings, the class option

\texttt{\fontenc=<encoding(s)>>} can be used (e.g., \texttt{\fontenc=\{T1,X2\}}). With \texttt{\fontenc=none}, the loading of the \fontenc\ package can be prevented. The package is also not loaded with \texttt{\fontenc=none}.

\section*{4.2 Polyglossia}

If you need polyglossia rather than \texttt{babel} for language support, please do not use the package yourself, but rather use the package option \texttt{polyglossia=true}. This assures correct loading order. This also presets \texttt{\fontenc=otf}.

\section*{4.3 Package loading}

Most of the extra features provided by the class can be switched off. This might be useful if you do not need the respective feature anyway, and crucial if you need an alternative package that conflicts with one of the preloaded package.

All following options are \texttt{true} by default. They can be switched off one-by-one via the value \texttt{false}, or altogether, by means of the special option \texttt{all=false}. You can also switch selected packages on/off again after this option (e.g., \texttt{all=false,microtype=true} will switch off all packages except \texttt{microtype}).

\texttt{apa=true|false}: If \texttt{true}, the \texttt{biblatex-apa} style is used when \texttt{biblatex} is loaded. By default, the included \texttt{univie-ling} style is loaded, instead. See sec. 9 for details.

\texttt{biblatex=true|false}: If \texttt{false}, \texttt{biblatex} is not loaded. This is useful if you prefer \texttt{Bib\TeX} over \texttt{biblatex}, but also if you neither want to use the preloaded \texttt{univie-ling} style nor the alternative \texttt{biblatex-apa} style (i.e., if you want to load \texttt{biblatex} manually with different options). See sec. 9 for details.

\texttt{caption=true|false}: If \texttt{false}, the caption package is not loaded. This affects the caption layout.

\texttt{covington=true|false}: If \texttt{false}, \texttt{covington} is not loaded. Covington is used for numbered examples.

\texttt{microtype=true|false}: If \texttt{false}, \texttt{microtype} is not loaded.

\texttt{ref=true|false}: If \texttt{false}, both \texttt{prettyref} and \texttt{varioref} are not loaded and the string (re)definitions of the class (concerning verbose cross references) are omitted.

\section*{4.4 Draft mode}

The option \texttt{draftmark=true|false|firstpage} allows you to mark your document as a draft, which is indicated by a watermark (including the current date). This might be
useful when sharing preliminary versions with your supervisor. With `draftmark=true`, this mark is printed on top of each page. With `draftmark=firstpage`, the draft mark appears on the title page only.

4.5 Further options

The class builds on `scartcl` (KOMA article), which provides many more options to tweak the appearance of your document. You can use all these options via the `\KOMAoptions` macro. Please refer to the KOMA-Script manual [4] for details.

5 General settings

In this section, it is explained how you can enter some general settings, particular the information that must be given on the title page. The title page, following the model given in university guidelines for theses, is automatically set up by the `\maketitle` command, given that you have specified the following data in the preamble.

5.1 Author-related data

`\author{<name>}`: Name(s) of the paper’s author(s). Separate multiple authors by `\and`.

`\studienkennzahl{<code>}`: The degree programme code (Studienkennzahl) as it appears on the student record sheet, e.g. A 792 327.

`\matrikelnummer{<registration number>`: Your registration number (Matrikelnummer).

In case of multiple authors, separate the codes by `\and`.

5.2 Paper-related data

`\title{<title>`: Title of the paper.

`\subtitle{<subtitle>`: Subtitle of the paper.

`\course{type}{<course title>`: Type and title of the course. The type must be one of `ps` (Proseminar), `se` (Seminar), `vo` (Vorlesung), `ue` (Übung), `ko` (Kolloquium) or `pv` (Privatissimum).

`\semester{semester type}{<year>`: Type and year of the current semester. Type must be either `ss` (summer term) or `ws` (winter term).

`\instructor{<name>`: Title and name of your instructor (Dozent).

`\texttype{<text type>`: Text type (such as Forschungsbericht). For `ps` and `se` course types, this is automatically set (but can be overwritten with this macro).

6 Declaration

It is possible to automatically generate a page with a declaration where you declare and sign that you follow research ethics/anti-plagiarism rules (Selbständigkeitserklärung) by means of the command
7 Semantic markup

The class defines some basic semantic markup common in linguistics:

\Expression{<text>}: To mark expressions (object language). Typeset in italics.
\Concept{<text>}: To mark concepts. Typeset in SMALL CAPITALS.
\Meaning{<text>}: To mark meaning. Typeset in ‘single quotation marks’.

You can redefine each of these commands, if needed, like this:

\renewcommand\Expression[1]{\textit{#1}}
\renewcommand\Concept[1]{\textsc{#1}}
\renewcommand\Meaning[1]{\enquote{#1}}

8 Linguistic examples and glosses

The class automatically loads the covington package which provides macros for examples and glosses. Please refer to the covington manual [1] for details.

9 Bibliography

9.1 Default bibliography style (Unified Style for Linguistics)

By default, the univie-ling-paper class loads a bibliography style which matches the conventions that are recommended by the Applied Linguistics staff of the department. These conventions draw on the Unified Style Sheet for Linguistics of the LSA (Linguistic Society of America), a style that is also quite common in General Linguistics nowadays.

In order to conform to this style, the univie-ling-paper class uses the biblatex package with the univie-ling style that is included in the univie-ling-paper package.

If you are in Applied Linguistics, using the default style is highly recommended. The style recommended until 2017, namely APA/DGPs, is also still supported, but its use is no longer encouraged; see sec. 9.2 for details. If you want/need to use a different style, please refer to section 9.3 for instructions.

9.2 Using APA/DGPs style

Until 2017, rather than the Unified Style, the Applied Linguistics staff recommended conventions that drew on the citation style guide of the APA (American Psychological
Association) and its adaptation for German by the DGPs (Deutsche Gesellschaft für Psychologie).

For backwards compatibility reasons, this style is still supported (though not recommended). You can enable it with the package option `apa=true`.

If you want to use APA/DGPs style, consider the following caveats.

- For full conformance with the APA/DGPs conventions (particularly with regard to the rather tricky handling of "and" vs. "&" in- and outside of parentheses), it is mandatory that you adequately use the respective biblatex(-apa) citation commands: Use `\textcite` for all inline citations and `\parencite` for all parenthesized citations (instead of manually wrapping `\cite` in parentheses). If you cannot avoid manually set parentheses that contain citations, use `\nptextcite` (a biblatex-apa-specific command) inside them. For quotations, it is recommended to use the quotation macros/environments provided by the `csquotes` package (which is preloaded by `univie-ling-paper` anyway); the `univie-ling-paper` class assures that citations are correct if you use the optional arguments of those commands/macros in order to insert references.

- The biblatex-apa style automatically lowers English titles. This conforms to the APA (and DGPs) conventions, which favour "sentence casing" over "title casing". English titles, from biblatex’s point of view, are titles of bibliographic entries that are either coded as `english` via the `LangID` entry field or that have no `LangID` coding but appear in an English document (i.e., a document with main language English). Consequently, if the document’s main language is English, all non-English entries need to be linguistically coded (via `LangID`) in order to prevent erroneous lowercasing, since biblatex assumes that non-identified entries use the main language (hence, such a classification is also important for correct hyphenation of the entries). Note that up to biblatex 3.3, the document language was not taken into account by the lowercasing automatism and all non-classified entries were treated like English entries (and thus lowercased), notwithstanding the main language; therefore, any entry needed to be coded. Even if this misbehaviour is fixed as of biblatex 3.4, it is still advisable to systematically set the proper `LangID`, since this is a prerequisite for a correct multilingual bibliography.

- The lowercasing automatism described above cannot deal properly with manual punctuation inside titles. Hence, a title such as `Main title. a subtitle` will come out as `Main title. a subtitle`. There are several ways to avoid that. The most proper one is to use the title and subtitle fields rather than adding everything to title. Alternatively, everything that is nested inside braces will not get lowercased, i.e. `Main title. {A subtitle}` will produce the correct result. This trick is also needed for names and other elements that should not get lowercased (Introduction to (Germanic) linguistics). However, please do not configure your BibTeX editor to generally embrace titles (this is a feature provided by many editors) since this will prevent biblatex-apa from lowercasing at places where it should be done.

• The biblatex-apa style requires that you use biber as a bibliography processor instead of BibTeX (the program). See [3] for details.

9.3 Using a different style

If you do not want or are not supposed to use neither the default Unified nor the APA/DGPs style, you can disable automatic biblatex loading via the class option `biblatex=false` (see sec. 4.3). In this case, you will need to load your own style manually, by entering the respective biblatex or BibTeX commands.

One case where you need to do that is if you prefer classic BibTeX over biblatex. If you want to follow the Applied Linguistics conventions, but prefer classic BibTeX over biblatex, a BibTeX style file `unified.bst` that implements the *Unified Style Sheet for Linguistics* is available on the Internet. Note, though, that this package does not have specific support for German, so it is only really suitable if you write in English. Thus, if you want to follow the Applied Linguistics conventions, it is strongly recommended that you use biblatex with the preloaded univie-ling style.

10 Further instructions

10.1 Commands and environments

Since the class draws on `scrartcl`, you can use all commands and environments provided by KOMA article in order to structure and typeset your document. Please refer to the comprehensive KOMA-Script manual [4] for information.

Please also refer to the template files included in the package for some further usage instructions and hints.

10.2 LyX layouts and templates

A layout for LyX\(^8\) can be retrieved from https://github.com/jspitz/univie-ling/raw/master/lyx/layouts/univie-ling-paper.layout.

Templates are provided as well:

• English template:

• German template:

\(^7\)http://celxj.org/downloads/unified.bst
\(^8\)See https://www.lyx.org.
11 Release History

- 2022/12/06 (v. 2.2)
  - Fix boolean option parsing.

- 2022/10/21 (v. 2.1)
  - Fix polyglossia option.

- 2022/10/02 (v. 2.0)
  - Use l3keys rather than xkeyval for key-value option handling.
  - Fix some varioref definitions.
  - Use translator instead of translations for localization.
  - Various small class cleanups.

- 2022/09/08 (v. 1.20)
  - Load varioref AtBeginDocument.

- 2022/06/18 (v. 1.19)
  - Add option fontenc.
  - Fix translation of English example string.
  - Add monospaced font.

- 2022/05/11 (v. 1.18)
  - Fix error with subtitles.

- 2022/02/05 (v. 1.17)
  - Fix option apa.
  - Omit quotation marks when title is empty.

- 2021/11/03 (v. 1.16)
  - Adjust font size and margins to dept. standards.
  - Add option draftmark. See sec. 4.4.
  - Fix grouping in \maketitle.

- 2021/10/19 (v. 1.15) No change to this class.

- 2021/09/01 (v. 1.14) Do not overwrite texttype set by user with default value.

- 2020/11/11 (v. 1.13) No change to this class.

- 2020/06/25 (v. 1.12) No change to this class.
• 2020/05/05 (v. 1.11) New option polyglossia.
• 2020/05/01 (v. 1.10) No change to this class.
• 2019/01/21 (v. 1.9) No change to this class.
• 2019/01/15 (v. 1.8) Fix encoding of German declaration string.
• 2018/11/07 (v. 1.7) No change to this class.
• 2018/11/04 (v. 1.6) Remove subexamples environment as this is now provided by covington.
• 2018/09/03 (v. 1.5) Introduce subexamples environment.
• 2018/04/26 (v. 1.4) Fix full date issue in biblatex bibliography style.
• 2018/03/02 (v. 1.3) No change to this class.
• 2018/02/13 (v. 1.2) No change to this class.
• 2018/02/11 (v. 1.1) No change to this class.
• 2018/02/08 (v. 1.0)
  – Switch default bibliography style (from APA to Unified).
  – Initial release to CTAN.
• 2016/09/07 (v. 0.8) Improve \makedeclaration output.
• 2016/05/05 (v. 0.7) Fix comma after et al. with biblatex-apa.
• 2016/04/30 (v. 0.6)
  – Reset the alignment after declaration.
  – Set proper citation command for csquotes’ integrated environments.
  – Improve templates.
• 2016/03/23 (v. 0.5)
  – Fix the output of German multi-name citations (DGPs guidelines).
  – Extend documentation of bibliographic features.
• 2016/01/25 (v. 0.4): First (documented) release.
  – Add \makedeclaration command.
  – Possibility to disable some pre-loaded packages.
  – Use key=value option format.
References


