

# The univie-ling-handout class

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## Abstract

The univie-ling-handout class provides a  $\text{\LaTeX}$  class suitable for handouts that accompany presentations in classes or at conferences. The class adheres to the corporate design of the University of Vienna (although no dedicated specs for handouts are provided there).<sup>1</sup> Therefore, although this class has been written for students in the Department of Linguistics, it might also be useful for other fields and for students and researchers alike. This manual documents the class.

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\*Please report issues via <https://github.com/jspitz/univie-ling>.

<sup>1</sup>[https://communications.univie.ac.at/fileadmin/user\\_upload/d.oeffentlichkeitsarbeit/Dokumente/UniversitaetWien\\_CD\\_Manual\\_Mai\\_2022\\_interaktiv.pdf](https://communications.univie.ac.at/fileadmin/user_upload/d.oeffentlichkeitsarbeit/Dokumente/UniversitaetWien_CD_Manual_Mai_2022_interaktiv.pdf).

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## 1 Aims and scope

The univie-ling-handout class provides a template for (lecture and presentation) handouts that follows the corporate design of University of Vienna (using the logo of the university and following the recommendations for author data formatting). Interestingly, the university corporate design specs are quite terse on how handouts, after all a major genre in academics, should look like. This class draws on the setting of letters (which are regulated) and adapts this for handouts.

The design matches as closely as necessary the standards set up within the university. This particularly concerns the fonts (Source Pro) and the page layout.

## 2 Requirements of univie-ling-handout

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

- scrartcl: KOMA-Script article class (base class).
- csquotes: Context sensitive quotations.
- graphicx: Graphic support.
- geometry: Page layout settings.
- l3keys: Key-value interface for class options.
- 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):

- sourceserifpro: Default serif font (*Source Serif Pro*).
- sourcesanspro: Default sans serif font (*Source Sans Pro*).
- sourcecodepro: Default monospaced font (*Source Code Pro*).
- biblatex: Contemporary bibliography support.
- caption: Caption layout adjustments.
- covington: Support for linguistic examples/glosses.
- fontenc: Set the font encoding for PostScript fonts. Loaded with option `T1`.
- 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.
- `fontspec`: 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 `fontspec` 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 *Source Serif Pro* as a serif font, *Source Sans Pro* as a sans serif font, and *Source Code Pro* as a monospaced (typewriter) font. This font is included in most L<sup>A</sup>T<sub>E</sub>X distributions by default. If you use `fonts=otf` with XeTeX, you just have to make sure that you have the fonts *Source Serif Pro*, *Source Sans Pro* and *Source Code Pro* installed on your operating system (with exactly these names!).

Note that by default, with PostScript fonts, `univie-ling-handout` 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).

## 4 Class Options

The `univie-ling-handout` 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.

### 4.1 Font selection

As elaborated above, the class 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 handout. However, they can only be used by newer TeX engines such as XeTeX and LuaTeX.

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

**fonts=ps|otf|none:** if **ps** is selected, PostScript fonts are used (this is the default and the correct choice if you use LaTeX or PDFLaTeX); if **otf** is selected, OpenType fonts are used, the class loads the fontspec package, sets *Source Serif Pro* as main font, *Source Sans Pro* as sans serif font, and *Source Code Pro* as monospaced font (this is the correct choice if you use XeTeX or LuaTeX; make sure you have the respective fonts installed on your system); if **none** is 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).

The base font size can be set via

**fontsize=<size>**

With PostScript fonts, univie-ling-handout also loads the fontenc package with 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

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

## 4.2 Layout settings

The following layout options are available

**cd=german|english** Select either German or English corporate design (independent of the document language). With **english**, this selects the optionally declarable English variants of certain strings.

**landscape=true|false** Set the handout to landscape format. This also adjusts the logo positioning.

**pplogo=true|false** Whether to print the university logo on pages 2ff (*true* by default).

**bwlogo=true|false** Print black university logo rather than colored one.

**swaphead=true|false** Swap order of title and event in the header.

**totalpages=true|false** Print total pages in pagination (as in *Page 2/5*).

**firstpagination=true|false** Print pagination on first page (*true* by default).

**breakevent=true|false** Add line break in heading between event and event specifications (location, date etc.).

**widesubtitle=true|false** Print subtitle over whole page width also with the unstarred form of `\hoSubtitle`.

**punchmarks=true|false** Print punch marks (false by default).

**foldmarks=true|false** Print fold marks (false by default).

### 4.3 Polyglossia

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

### 4.4 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 **true** by default. They can be switched off one-by-one via the value **false**, or altogether, by means of the special option **all=false**. You can also switch selected packages on/off again after this option (e. g., **all=false,microtype=true** will switch off all packages except microtype).

**apa=true|false**: If **true**, the biblatex-apa style is used when biblatex is loaded. By default, the included univie-ling style is loaded, instead. See sec. 8 for details.

**biblatex=true|false**: If **false**, biblatex is not loaded. This is useful if you prefer BibTeX over biblatex, but also if you neither want to use the preloaded univie-ling style nor the alternative biblatex-apa style (i. e., if you want to load biblatex manually with different options). See sec. 8 for details.

**caption=true|false**: If **false**, the caption package is not loaded. This affects the caption layout.

**covington=true|false**: If **false**, covington is not loaded. Covington is used for numbered examples.

**microtype=true|false**: If **false**, microtype is not loaded.

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

### 4.5 Draft mode

The option **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.

### 4.6 Further options

The class builds on scrartcl (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, particularly the information that must be given in the title of the handout. The title is automatically set up by the `\maketitle` command, given that you have specified the following data in the preamble or in the body text before `\maketitle`.

### 5.1 Author-related data

`\hoName[<English name>]{<German name>}`: Name of the handouts's author. Multiple authors can be separated via `\and`. The English name is only needed if the name differs in English output (this might be the case with academic titles).

`\hoShortName[<English name>]{<German name>}`: Short name of the handouts's author, which is printed instead of `\hoName` in the headings on pages 2ff if specified.

`\hoDept[<English name>]{<German name>}`: Name of the department (e. g., *Department of Linguistics*).

`\hoFunction[<English>]{<German>}`: Function of the author (e. g., *Research Assistant*).

`\hoStreet{<Street>}`: Street where your department is located.

`\hoPostCode{<Street>}`: Postcode of your department's location.

`\hoLoc[<English>]{<German>}`: Location (city) of your department.

`\hoCountry[<English>]{<German>}`: Country of your department.

`\hoPhone{<phone number>}`: Your phone number.

`\hoFax{<fax number>}`: Yes, some people still use this.

`\hoEMail{<e-mail address>}`: Your e-mail address.

`\hoURL{<URL>}`: homepage URL.

Note that you should only use full address data of a department as a member of staff, as this indicates you are employed at this department. For student handouts, it is advised to only use name and possibly e-mail.

### 5.2 Presentation-related data

`\hoTitle[<header>]{<title>}`: Title of the handout with optional short title for the header on page 2ff.

`\hoSubtitle{<subtitle>}`: Subtitle of the handout. As the main title, this is normally not printed over the whole page width in order to prevent overlapping with the address data. With the class option `widesubtitle` this can be changed.

`\hoSubtitle*{<subtitle>}`: A version of the subtitle that is always printed over the whole page width.

`\hoEvent[<header>]{<event>}`: The event you are presenting at (seminar or conference title).

`\hoEventLoc[<header>]{<event>}`: The location of the event you are presenting at. Useful for conference presentations.

`\hoEventDate[<header>]{<event date>}`: The date of the event you are presenting at, or the term of your class.

## 6 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}}
```

## 7 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.

## 8 Bibliography

### 8.1 Default bibliography style (*Unified Style for Linguistics*)

By default, the univie-ling-handout class loads a bibliography style which matches the conventions that are recommended by the Applied Linguistics staff of the department.<sup>2</sup> 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-handout class uses the biblatex package with the univie-ling style that is included in the univie-ling-handout 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. 8.2 for details. If you want/need to use a different style, please refer to section 8.3 for instructions.

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<sup>2</sup>See <http://www.spitzmueller.org/docs/Zitierkonventionen.pdf>

## 8.2 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.<sup>3</sup> For quotations, it is recommended to use the quotation macros/environments provided by the `csquotes` package (which is preloaded by `univie-ling-handout` anyway); the `univie-ling-handout` 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 lowercases 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 `Maintitle. 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. `Maintitle. {A} subtitle` will produce the correct result. This trick is also needed for names and other elements that should not get lowercased (Introduction to

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<sup>3</sup>Please refer to [5] and [2] for detailed instructions.



{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.

### 8.3 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. 4.4). 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.<sup>4</sup> 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.

### 8.4 Heading

In handouts, you sometimes want a different heading over the references (e. g., *Recommended readings*). This can be easily done via the macro `\Bibheading{<title>}` which works with biblatex and normal bibliography environment.

## 9 Further instructions

### 9.1 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.

### 9.2 LyX layouts and templates

A layout for LyX<sup>5</sup> can be retrieved from <https://github.com/jspitz/univie-ling/raw/master/lyx/layouts/univie-ling-handout.layout>.

Templates are provided as well:

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<sup>4</sup><http://celxj.org/downloads/unified.bst>

<sup>5</sup>See <https://www.lyx.org>.

- English template:  
<https://github.com/jspitz/univie-ling/raw/master/lyx/templates/template-univie-ling-handout-english.lyx>
- German template:  
<https://github.com/jspitz/univie-ling/raw/master/lyx/templates/template-univie-ling-handout-deutsch.lyx>

## 10 Release History

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)

- Initial release.

## References

- [1] Covington, Michael A. and Spitzmüller, Jürgen: *The covington Package. Macros for Linguistics*. September 7, 2018. <http://www.ctan.org/pkg/covington>.
- [2] Kime, Philip: *APA Bib<sub>La</sub>T<sub>E</sub>X style. Citation and References macros for Bib<sub>La</sub>T<sub>E</sub>X*. March 3, 2016. <http://www.ctan.org/pkg/biblatex-apa>.
- [3] Kime, Philip and Charette, François: *Biber. A backend bibliography processor for biblatex*. March 6, 2016. <http://www.ctan.org/pkg/biber>.
- [4] Kohm, Markus (2015): KOMA-Script. The Guide. URL: <http://www.ctan.org/pkg/koma-script>.
- [5] Lehman, Philipp (with Audrey Boruvka, Philip Kime and Joseph Wright): *The biblatex Package. Programmable Bibliographies and Citations*. March 3, 2016. <http://www.ctan.org/pkg/biblatex>.