

The langscibook L^AT_EX class

Sebastian Nordhoff

Contents

1	Introduction	1
2	The class	3
3	Requirements	5
3.1	Fonts	5
3.2	Styles	5
3.3	Series definitions	5
4	Creating a book	7
4.1	Creating a monograph	7
4.2	Creating an edited volume	8
4.3	Creating a paper for an edited volume	8
5	Options	11
5.1	Flag options	11
5.1.1	collection	11
5.1.2	draftmode	11
5.1.3	openreview	11
5.1.4	multiauthors	11
5.1.5	minimal	11
5.1.6	nobabel	11
5.1.7	showindex	12
5.1.8	smallfont	12
5.1.9	chinesefont	12
5.1.10	japanesefont	12
5.1.11	hebrewfont	12
5.1.12	arabicfont	12
5.1.13	syriacfont	12
5.2	String options	12
5.2.1	output	12
5.2.2	booklanguage	13

Contents

5.2.3	copyright	13
5.3	Metadata commands	13
5.3.1	\BackBody	13
5.3.2	\BackTitle	13
5.3.3	\BookDOI	14
5.3.4	\ChapterDOI	14
5.3.5	\dedication	14
5.3.6	\lsISBNdigital	14
5.3.7	\lsISBNhardcover	14
5.3.8	\lsISBNsoftcover	14
5.3.9	\lsSeries	14
5.3.10	\lsSeriesNumber	14
5.3.11	\lsID	15
5.4	Overrides	15
5.4.1	\SpineAuthor	15
5.4.2	\SpineTitle	15
5.4.3	\lsImpressionCitationAuthor	15
5.4.4	\lsImpressionCitationText	15
5.4.5	\papernote	15
5.4.6	\lsChapterFooterSize	15
5.4.7	\includespinelogo	16
5.4.8	\includestoragelogo	16
5.4.9	\includepublisherlogo	16
5.4.10	\includechapterfooterlogo	16
5.4.11	\publisherstreetaddress	16
5.4.12	\publisherurl	16
5.4.13	\storageinstitution	16
5.4.14	\githubtext	16
5.4.15	\paperhivetext	17
5.5	Command redefinitions	17
5.5.1	\CoverTitleSizes	17
5.5.2	\lsBackBodyFont	17
5.5.3	\lsBackTitleFont	17
5.5.4	\lsCopyright	17
5.5.5	\lsCoverAuthorFont	17
5.5.6	\lsCoverSubTitleFont	17
5.5.7	\lsCoverTitleFont	18
5.5.8	\lsEditorPrefix	18
5.5.9	\lsEditorSuffix	18

5.5.10	\lsFontsize	18
5.5.11	\lsImpressumCitationText	18
5.5.12	\lsISSN	18
5.5.13	\lsLanguageIndexTitle	18
5.5.14	\lsNameIndexTitle	18
5.5.15	\lsSpineAuthorFont	19
5.5.16	\lsSpineTitleFont	19
5.5.17	\lsSubjectIndexTitle	19
5.5.18	\lsYear	19
5.6	Additions	19
5.6.1	\lsAdditionalFontsImprint	19
5.6.2	\lsImpressumExtra	19

1 Introduction

This document describes the \LaTeX class langscibook.cls. This class is used for typesetting books with Language Science Press. Language Science Press publish open access monographs and edited volumes in linguistics.

2 The class

The class is loaded via `\documentclass{langscibook}`. The standard use case is the creation of a book. If used without an `output=` option, the option `output=book` is loaded.

The class provides for the following:

- front cover
- frontispiece
- inside title
- colophon
- table of contents
- chapters
- list of references (per chapter or global)
- name index, subject index, language index
- back title
- ISBN
- DOI (per book and per chapter)

3 Requirements

3.1 Fonts

The class uses the fonts Libertinus, Arimo and DejaVu. These have to be present on the system.

3.2 Styles

A couple of additional style files come with the class. Documents using this class will compile without them, but in order to typeset books for Language Science Press, these packages should be loaded as well. These packages are

- `langsci-basic.sty`: Commands used in all Language Science Press books
- `langsci-affiliations.sty`: Parse author affiliations
- `langsci-bidi.sty`: Package for typesetting right-to-left text
- `langsci-optional.sty`: Further commands useful for some typical books
- `langsci-cgloss.sty`: Helper package for `langsci-gb4e`
- `langsci-gb4e.sty`: Package for linguistic examples
- `langsci-forest-setup.sty`: Set up the forest package for linguistic trees
- `langsci-lgr.sty`: The glosses defined in the Leipzig Glossing Rules
- `langsci-subparts.sty`: adds an additional sectioning level between part and chapter
- `langsci-tbls.sty`: Package for the textbook series Textbooks in Language Sciences
- `langsci-textipa.sty`: Unicode renderings of some common TIPA glyphs

3.3 Series definitions

The metadata for LangSci book series are stored in `langsci-series.def`. For new series, the ISSN field of `langsci-series.def` might have to be updated.

4 Creating a book

The easiest way to start a book is to download the skeletons from <http://langsci-press.org/templatesAndTools>. Sample documents for monographs, edited volumes and chapters in edited volumes are provided in the folder `examples/` as well.

4.1 Creating a monograph

Load the class. Make sure the following metadata values are set with the metadata commands listed in §5.3:

- `author`
- `title`

Provide the following additional information if necessary:

- `series`
- `series number`
- `all ISBNs`
- `BookDOI`
- `ID`
- `blurb (back body)`
- `subtitle`
- `backtitle`
- `spine title`
- `spine author`

4 *Creating a book*

- dedication
- list of proofreaders
- list of typesetters
- list of illustrators
- license other than CC-BY
- list of additional fonts

4.2 Creating an edited volume

Proceed as for a monograph, but use the option `collection`. Use `\author` for the editor(s). Use the option `multiauthors` if there is more than one editor. Chapters are included via `\includepaper{}`. Set the bibliography resource for all papers in the main file.

4.3 Creating a paper for an edited volume

Use the output option `paper`. Provide the following metadata in the preamble:

- `\author` (with `\affiliation`)
- `\title`
- `\abstract` (optional)

You might want to use `\shorttittlerunninghead` for chapters with very long titles.

Papers can be compiled standalone. You can use the command `\papernote` in the preamble of the paper to adjust the text displayed in the footer. This can be embedded in a conditional as follows (assuming your chapter source file is in a subfolder of the folder containing your main file):

```
\IfFileExists{../samplevolume.tex}{%adjust to name of your master file
  \papernote{\scriptsize\normalfont
    To appear in:
    Change Volume Editor.
    Change volume title.
```

4.3 *Creating a paper for an edited volume*

```
Berlin: Language Science Press. [preliminary page numbering]
}
\pagenumbering{roman}
\setcounter{chapter}{23}%adjust the chapter number
\addtocounter{chapter}{-1}
}{}
}
```

This will set your chapter number to 23 when compiled standalone (rather than 1) and will display text in the chapter footer.

5 Options

The class has flag options to toggle certain behaviour and string options to set metadata values.

5.1 Flag options

5.1.1 **collection**

Make the book an edited volume

Default value: `false`

5.1.2 **draftmode**

Switch to draft mode (adds: draft stamp, indication of overlong lines, date)

Default value: `false`

5.1.3 **openreview**

Switch to open review mode

Default value: `false`

5.1.4 **multiauthors**

Set editor suffix to eds. instead of ed.

Default value: `false`

5.1.5 **minimal**

Load a very bare class optimized for compilation speed

Default value: `false`

5.1.6 **nobabel**

Do not use the Babel package in the class

Default value: `false`

5 Options

5.1.7 **showindex**

Show indexed terms in margin

Default value: false

5.1.8 **chinesefont**

Load fonts for Chinese and update font info in colophon

Default value: false

5.1.9 **japanesefont**

Load fonts for Japanese and update font info in colophon

Default value: false

5.1.10 **hebrewfont**

Load fonts for Hebrew and update font info in colophon

Default value: false

5.1.11 **arabicfont**

Load fonts for Arabic and update font info in colophon

Default value: false

5.1.12 **syriacfont**

Load fonts for Syriac and update font info in colophon

Default value: false

5.2 String options

5.2.1 **output**

Different output formats

Default value: book

- book: The book with frontcover and backcover
- paper: Contribution to edited volume

- **minimal**: Optimise for speed. Some features might not work. Useful for drafts.
- **guidelines**: Choose color grey; condense frontmatter

5.2.2 **booklanguage**

Load babel for the specified language and change the custom headers for list of references and indexes

Default value: english

5.2.3 **copyright**

The license chosen

Default value: "CC-BY"

5.3 Metadata commands

The following commands are used to indicated metadata.

5.3.1 **\BackBody**

Text to be printed on the back cover

Default value: `Europān lingues es membres del sam familie. Lor separat existentie es un myth. Por scientie, musica, sport etc, litot Europa usa li sam vocabular. Li lingues differe solmen in li grammatica, li pronunciation e li plu comun vocabules. Omnicos directe al desirabilite de un nov lingua franca: On refusa continuar payar custosi traductores.`

5.3.2 **\BackTitle**

Title on back cover

Default value: same as on front cover

5.3.3 **\BookDOI**

DOI for the book

Default value: ??

5 Options

5.3.4 \ChapterDOI

DOI for a chapter

Default value: ??

5.3.5 \dedication

A dedication

Default value: void

5.3.6 \lsISBNdigital

ISBN for the digital version

Default value: 000-0-000000-00-0

5.3.7 \lsISBNhardcover

ISBN for the hardcover version

Default value: 000-0-000000-00-0

5.3.8 \lsISBNsoftcover

ISBN for the softcover version

Default value: 000-0-000000-00-0

5.3.9 \lsSeries

The series this book appears in. Use the acronyms found in `langsci-series.def`

Default value: eotms

5.3.10 \lsSeriesNumber

Position of the book in its series

Default value: ??

5.3.11 \lsID

The numerical LangSci ID, used for various URLs

Default value: 000

5.4 Overrides

The following commands allow to override further default settings:

5.4.1 `\SpineAuthor`

Custom author on spine. Useful for long lists of authors/editors

Default value: same as on cover

5.4.2 `\SpineTitle`

Custom title on spine. Useful for long titles

Default value: same as on cover

5.4.3 `\lsImpressionCitationAuthor`

How the author name should be displayed in the impressum

Default value: Automatically inferred from `\author{}`, but sometimes things go wrong

5.4.4 `\lsImpressionCitationText`

Customize the full citation as displayed in the colophon. Useful for second editions

Default value: Automatically inferred from `\author{}` and `\title{}`

5.4.5 `\papernote`

Text displayed in the footer of chapters

Default value: Automatically inferred from volume and chapter metadata

5.4.6 `\lsChapterFooterSize`

Font size for chapter footers

Default value: `\small`

5.4.7 `\includespinelogo`

The logo to be put on the spine

Default value: void

5 Options

5.4.8 `\includestoragelogo`

The logo of the archiving institution

Default value: void

5.4.9 `\includepublisherlogo`

The publisher's logo in the impressum

Default value: void

5.4.10 `\includechapterfooterlogo`

The logo to be used in chapter footers

Default value: void

5.4.11 `\publisherstreetaddress`

the physical address of the publisher

Default value: LangSci Berlin address

5.4.12 `\publisherurl`

The web address of the publisher

Default value: `\href{http://langsci-press.org}{langsci-press.org}`

5.4.13 `\storageinstitution`

Where the book is archive

Default value: FU Berlin

5.4.14 `\githubtext`

Where the tex code of the book can be found

Default value: Source code available from

`\href{https://www.github.com/langsci/\lsID}{www.github.com/langsci/\lsID}`

5.4.15 `\paperhivetext`

Where the book can be found on PaperHive

Default value: Collaborative reading:

`\href{https://paperhive.org/documents/remote?type=langsci&id=\lsID}%
{paperhive.org/documents/remote?type=langsci&id=\lsID}`

5.5 Command redefinitions

Redefine the following commands to further alter the appearance:

5.5.1 **\CoverTitleSizes**

Set custom fontsize #1 and baselineskip #2 for title on cover

Default value: 52pt, 16.75mm

5.5.2 **\lsBackBodyFont**

Font used for text on back cover

Default value: main font

5.5.3 **\lsBackTitleFont**

Font used for title on back cover

Default value: `\sffamily\addfontfeaturesScale=MatchUppercase`

`\fontsize{25pt}{10mm}\selectfont`

5.5.4 **\lsCopyright**

Choice of licence

Default value: CC-BY

5.5.5 **\lsCoverAuthorFont**

Font for author/editor on cover

Default value: `\fontsize{25pt}{12.5mm}\selectfont`

5.5.6 **\lsCoverSubTitleFont**

Font for the subtitle

Default value: `\sffamily\addfontfeatures{Scale=MatchUppercase}`

`\fontsize{25pt}{10mm}\selectfont`

5.5.7 **\lsCoverTitleFont**

Font for the title

Default value: `\sffamily\addfontfeaturesScale=MatchUppercase`

`\fontsize52pt17.25mm\selectfont`

5 Options

5.5.8 \lsEditorPrefix

How editors are indicated on title page. Useful for localization.

Default value: \LARGE Edited by\\

5.5.9 \lsEditorSuffix

How editors are indicated in the colophon

Default value: (ed.)/(eds.), depending on the value of the option `multiauthors`

5.5.10 \lsFontSize

size of main font

Default value: 11pt

5.5.11 \lsImpressumCitationText

custom citation text, useful for including notes etc.

Default value: computed from author and title fields

5.5.12 \lsISSN

ISSN of the series

Default value: ??

5.5.13 \lsLanguageIndexTitle

The title of the language index. Change this for non-English works

Default value: Language index

5.5.14 \lsNameIndexTitle

The title of the name index. Change this for non-English works

Default value: Name index

5.5.15 \lsSpineAuthorFont

Font for the author on the spine

Default value: \fontsize{16pt}{14pt}\selectfont

5.5.16 **\lsSpineTitleFont**

Font for the title on the spine

Default value: `\sffamily\fontsize{18pt}{14pt}\selectfont`

5.5.17 **\lsSubjectIndexTitle**

The title of the subject index. Change this for non-English works

Default value: `Subject index`

5.5.18 **\lsYear**

Year of publication

Default value: `\the\year`

5.6 Additions

5.6.1 **\lsAdditionalFontsImprint**

Add additional fonts to the list of fonts in the colophon

Default value: `void`

5.6.2 **\lsImpressumExtra**

for legal notes required for revised theses (“... in fulfillment of ... ”)

Default value: `void`