The sblbook Class

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2026-11-04 v1.1a

Abstract

sblbook provides a LaTeX class for producing articles and papers conforming to the style required by the Society of Biblical Literature. It depends on sblfonts for language support, biblatex-sbl for referencing, sblidx for indexing and bibleref-sbl for Scripture references.

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1 Introduction

The sblbook class creates a print ready book matching the style specified in the *Preparing Your Printer-Ready Manuscript*. See https://www.sbl-site.org/assets/pdfs/PRMmanual.pdf.

The class works with both `pdflatex` and the Unicode engines, but in order to make use of the SBL fonts you need to install them and use a Unicode engine (`lualatex` is recommended, especially for Hebrew).

1.1 Usage

Load the class using `\documentclass{sblbook}`. See `sbltex-book.tex` in the documentation directory for an extended usage example.

The following standard commands and environments have been customised for this class:

- `\author`, `\title`, `\maketitle`
- `\tableofcontents`, `\listoffigure`, `\listoftables`
- `\section`, `\subsection`, `\subsubsection`, `\paragraph`, `\subparagraph`
- `\appendix`, `\frontmatter`, `\mainmatter`, `\backmatter`
- `\footnote`
- `\caption`
- `\index`
- `\printbibliography`, `\printbiblist{abbreviations}`
- `abstract`, `quotation`, `quote`

American, Greek and Hebrew are set up using sblfonts (and babel). A different main language can be chosen by passing the babel language name to the class.

1.2 Acknowledgements

The sblbook class depends on a number of other packages:

- sblfonts (with fontspec, fontenc and babel), biblatex-sbl (with biblatex), sblidx (with imakeidx, idxlayout, bibleref-parse and bibleref-sbl)
- csquotes, geometry, setspace, ragged2e, fancyhdr
- When `\DocumentMetadata` is not in use: caption, footmisc, titlesec, titletoc

1.3 Bug Reports and Feature Requests

Bug reports and feature requests can be made at the sbltex GitHub repository. See https://github.com/dcpurton/sbltex.

Note: This class is compatible with the LaTeX tagging project at release time. Although, regular updates will continue to be needed as the tagging project evolves and improves. The demonstration thesis, `sbltex-book.pdf` in the documentation is built with tagging enabled and successfully verifies with VeraPDF.

2 Package Environments

`acknowledgements` `\begin {⟨acknowledgements⟩}`
`\end {⟨acknowledgements⟩}`

Add an Acknowledgements page to the book. The name of the section can be changed by redefining `\acknowledgementsname`.

`copyrightpage` `\begin {⟨copyrightpage⟩}`
`\end {⟨copyrightpage⟩}`

Add a copyright page to the book. This page is supplied by SBL Press.

`dedication` `\begin {⟨dedication⟩}`
`\end {⟨dedication⟩}`

Add a dedication to the book. This page is empty by default. If there is a dedication, it should be placed on page v.

`epigraph` `\begin {⟨epigraph⟩}`
`\end {⟨epigraph⟩}`

Add an epigraph to the book. This page is empty by default. If there is an epigraph, it should be placed on page vii.

`foreword` `\begin {⟨foreword⟩}`
`\end {⟨foreword⟩}`

Add a Foreword to the book. The name of the section can be changed by redefining `\forewordname`.

`introduction` `\begin {⟨introduction⟩}`
`\end {⟨introduction⟩}`

Add an Introduction to the book. The name of the section can be changed by redefining `\introductionname`.

`preface` `\begin {⟨preface⟩}`
`\end {⟨preface⟩}`

Add a Preface to the book. The name of the section can be changed by redefining `\prefacename`.

`seriespage` `\begin {⟨seriespage⟩}`
`\end {⟨seriespage⟩}`

Add a series page to the book. This page is supplied by SBL Press.

`titlepage` `\begin {⟨titlepage⟩}`
`\end {⟨titlepage⟩}`

Add a title page to the book. This page is supplied by SBL Press. Note that this page is distinct from the half title page which is added with the `\maketitle` command.

3 Package Options

Items passed to the options below are *appended* to the default options rather than replacing them.

Any unrecognised options passed to the sblbook class are passed through to the book class.

`biblatex` `biblatex = {⟨arguments⟩}` `Default: {style=sbl, language=auto, autolang=hyphen}`

These options are passed to the biblatex package.

See the biblatex-sbl package documentation for a full description of supported options and usage.

`sblfonts` `sblfonts = {⟨arguments⟩}`

Options to pass to the sblfonts package.

The defaults depend on whether the engine in use is 8bit or Unicode:

8bit defaults:

```
{
  mainfont=Baskervaldx,
  grfont=Alegreya-LF,
  hefont=frank
}
```

Unicode defaults:

```
{
  mainfont=Baskervaldx,
  mainfontoptions={Extension=.otf, UprightFont=*-Reg,
    ItalicFont=*-Ita, BoldFont=*-Bol,
    BoldItalicFont=*-BolIta},
  sblfonts=true
}
```

Note that you will need to download and install the SBL fonts yourself from https://www.sbl-site.org/resources/fonts/.

See the sblfonts package documentation for a full description of supported options and usage.

`sblidx` `sblidx = {⟨arguments⟩}` `Default: Empty`

These options are passed to the sblidx package.

Note that the sblidx package is only loaded if at least one of `ancient sources`, `modern authors` or `subject` is passed to the `sblidx` option.

See the sblidx package documentation for a full description of supported options and usage.

`trim` `trim = true | false` `Default: false`

Whether to trim the PDF to 6 × 9 inches or not.

4 Implementation

```
⟨*class⟩
⟨@@=sblbook⟩

\NeedsTeXFormat{LaTeX2e}
\ProvidesExplClass{sblbook}{2026-11-04}{1.1a}
  {Society of Biblical Literature Book Class (DCP)}

\clist_new:N \l__sblbook_options_to_book_class_clist

\keys_define:nn { sblbook }
  {
    , biblatex .clist_set:N = \l__sblbook_options_to_biblatex_clist
    , sblfonts .clist_set:N = \l__sblbook_options_to_sblfonts_clist
    , sblidx   .clist_set:N = \l__sblbook_options_to_sblidx_clist
    , trim     .bool_set:N  = \l__sblbook_trim_bool
    , trim     .default:n   = true
    , trim     .initial:n   = false
    , unknown  .code:n = {
                           \clist_put_right:No
                             \l__sblbook_options_to_book_class_clist
                             { \CurrentOption }
                         }
  }

\ProcessKeyOptions
```

Set default options.

```
\clist_put_left:Nn \l__sblbook_options_to_book_class_clist
  { }

\clist_put_left:Nn \l__sblbook_options_to_biblatex_clist
  {
    , style    = sbl
    , language = auto
    , autolang = hyphen
  }

\sys_if_engine_opentype:TF
  {
    \clist_put_left:Nn \l__sblbook_options_to_sblfonts_clist
      {
        , mainfont        = Baskervaldx
        , mainfontoptions = {
                              , Extension      = .otf
                              , UprightFont    = *-Reg
                              , ItalicFont     = *-Ita
                              , BoldFont       = *-Bol
                              , BoldItalicFont = *-BolIta
                            }
        , sblfonts        = true
      }
  }
  {
    \clist_put_left:Nn \l__sblbook_options_to_sblfonts_clist
      {
```

```
        , mainfont = Baskervaldx
        , grfont   = Alegreya-LF
        , hefont   = frank
      }
  }
```

Load book class.

```
\exp_args:No \PassOptionsToClass
  { \l__sblbook_options_to_book_class_clist }
  { book }
\LoadClass { book }
```

Font and language set up.

```
\exp_args:No \PassOptionsToPackage
  { \l__sblbook_options_to_sblfonts_clist }
  { sblfonts }
\RequirePackage { sblfonts }
```

Set up upper case kerning.

```
\sys_if_engine_opentype:T
  {
    \hook_gput_code:nnn
      { cmd / MakeUppercase / before }
      { sblbook }
      { \addfontfeature { Kerning = Uppercase } }
    \hook_gput_code:nnn
      { cmd / MakeUppercase / after }
      { sblbook }
      { \addfontfeature { Kerning = UppercaseOff } }
  }
```

biblatex set up.

```
\exp_args:No \PassOptionsToPackage
  { \l__sblbook_options_to_biblatex_clist }
  { biblatex }
\RequirePackage { biblatex }
\RequirePackage { csquotes }
```

```
\clist_if_exist:NT \l__sblbook_options_to_sblidx_clist
  {
    \exp_args:No \PassOptionsToPackage
      { \l__sblbook_options_to_sblidx_clist }
      { sblidx }
    \RequirePackage { sblidx }
    \@ifpackageloaded { bibleref }
      {
        \RequirePackage { bibleref-parse }
      }
      { }
  }
```

4.1 Margins

```
\bool_if:NTF \l__sblbook_trim_bool
  {
```

```
    \RequirePackage
      [
        , paperwidth  = 6in
        , paperheight = 9in
      ]
      { geometry }
  }
  {
    \RequirePackage { geometry }
  }
\dim_new:N \l__sblbook_top_margin_dim
\dim_new:N \l__sblbook_inner_margin_dim
\dim_set:Nn \l__sblbook_top_margin_dim
  { 0.5 \paperheight - 3.75in }
\dim_set:Nn \l__sblbook_inner_margin_dim
  { 0.5 \paperwidth - 2.25in }
\geometry
  {
    , includehead    = true
    , marginparwidth = 0.5in
    , textwidth      = 4.5in
    , height         = 7.5in
    , top            = \l__sblbook_top_margin_dim
    , inner          = \l__sblbook_inner_margin_dim
    , headsep        = 12pt
    , headheight     = 12pt
    , footskip       = 12pt
  }
```

4.2 Text layout

```
\dim_set:Nn \parindent { 0.25in }
\RequirePackage [ all ] { nowidow }
\RequirePackage [ hyphenation , lastparline ] { impnattypo }
\RequirePackage { microtype }
```

Commands to disable and enable the `lastparline` feature of the impnattype package.

```
\cs_new_protected:Nn \__sblbook_lastparline_off:
  {
    \sys_if_engine_luatex:T
      {
        \lua_now:e
          {
            luatexbase.remove_from_callback("pre_linebreak_filter",
              "lastparline")
          }
      }
  }
\cs_new_protected:Nn \__sblbook_lastparline_on:
  {
    \sys_if_engine_luatex:T
      {
        \lua_now:e
          {
            luatexbase.add_to_callback("pre_linebreak_filter",
```

```
                last_line_minimal_length, "lastparline")
            }
        }
    }
```

4.3 Headers and footers

```
\RequirePackage { fancyhdr }
\pagestyle { fancy }
\fancyhf { }
\fancyhead [ LE , RO ] { \thepage }
\fancyhead [ CE ] { \itshape \nouppercase { \leftmark } }
\fancyhead [ CO ] { \itshape \nouppercase { \rightmark } }
\cs_set_nopar:Npn \headrulewidth { 0pt }
\cs_set_nopar:Npn \chaptermark #1
  {
    \markboth { \@title } { #1 }
  }
\cs_set_nopar:Npn \sectionmark #1 { }
\fancypagestyle { plain }
  {
    \fancyhf { }
    \fancyfoot
      [ C ]
      {
        \smash { \raisebox { 12pt } { -\,\thepage\,- } }
      }
    \cs_set_nopar:Npn \headrulewidth { 0pt }
    \cs_set_nopar:Npn \footrulewidth { 0pt }
  }
\cs_set_nopar:Npn \thispagestyle #1
  {
    \cs_if_exist:cTF { ps@#1 }
      {
        \tl_if_eq:nnT {#1} { plain }
          {
            \enlargethispage { -24pt }
          }
        \legacy_if_gset_true:n { @specialpage }
        \cs_gset_nopar:Npn \@specialstyle {#1}
      }
      {
        \undefinedpagestyle
      }
  }
\cs_set_nopar:Npn \cleardoublepage
  {
    \clearpage
    \int_if_even:nT { \c@page }
      {
        \hbox:n { }
        \thispagestyle { empty }
        \newpage
      }
  }
```

4.4 Footnotes

Different handling is required for footnotes when tagging code is loaded.

```
\IfDocumentMetadataTF
  {
    \socket_new_plug:nnn { fntext / mark } { sblbook }
      {
        \skip_horizontal:N \footnotemargin
        \@thefnmark . \enspace
      }
    \socket_assign_plug:nn { fntext / mark } { sblbook }
    \socket_assign_plug:nn
      { build / column / outputbox }
      { floats-space-footnotes }
  }
  {

    \RequirePackage [ bottom ] { footmisc }
    \cs_set_protected:Npn \@makefntext #1
      {
        \dim_set_eq:NN \parindent \footnotemargin
        \@thefnmark . \enspace
        \footnotelayout #1
      }
}
\dim_set:Nn \footnotemargin { 0.25in }
\cs_set:Npn \footnoterule
  {
    \kern -3pt
    \hrule width 1.5in height .5pt depth 0pt
    \kern 0.0625in
  }
```

4.5 Captions

```
\skip_set:Nn \abovecaptionskip { 6pt }
\skip_set:Nn \belowcaptionskip { 6pt }
\cs_set:Npn \thefigure
  {
    \arabic { figure }
  }
\cs_set:Npn \thetable
  {
    \arabic { table }
  }
\counterwithout { figure } { chapter }
\counterwithout { table } { chapter }
\IfDocumentMetadataTF
  {
    \NewSocketPlug { caption / label } { sblbook }
     {
       \small
       #1:~
```

```
    }
  \AssignSocketPlug { caption / label } { sblbook }
}
{
  \RequirePackage [ font = small , skip = 6pt ] { caption }
}
```

4.6 Block quotes

```
\IfDocumentMetadataTF
  {
    \EditInstance { blockenv } { quotation }
      {
        , final-code = \small \ignorespaces
      }
    \EditInstance { block } { quotation-1 }
      {
        , begin-extra-vspace = 0pt
        , begin-vspace       = 11pt plus 5pt minus 3pt
        , left-margin        = \parindent
        , right-margin       = \parindent
        , para-indent        = \parindent
        , para-vspace        = 0pt
      }
    \EditInstance { blockenv } { quote }
      {
        , final-code = \small \ignorespaces
      }
    \EditInstance { block } { quote-1 }
      {
        , begin-extra-vspace = 0pt
        , begin-vspace       = 11pt plus 5pt minus 3pt
        , left-margin        = \parindent
        , right-margin       = \parindent
        , para-indent        = 0pt
        , para-vspace        = 6pt plus 2pt minus 1pt
      }
  }
  {
    \renewenvironment { quotation }
      {
        \small
        \list { }
          {
            \dim_set_eq:NN \leftmargin \parindent
            \dim_set_eq:NN \rightmargin \leftmargin
            \skip_set:Nn   \topsep { 11pt plus 5pt minus 3pt }
            \skip_zero:N   \partopsep
            \skip_zero:N   \itemsep
            \skip_zero:N   \parsep
            \dim_set_eq:NN \itemindent \parindent
            \dim_set_eq:NN \listparindent \parindent
          }
        \item \ignorespaces
      }
```

```
      {
        \endlist
      }
    \renewenvironment { quote }
      {
        \small
        \list { }
          {
            \dim_set_eq:NN \leftmargin \parindent
            \dim_set_eq:NN \rightmargin \leftmargin
            \skip_set:Nn   \topsep { 11pt plus 5pt minus 3pt }
            \skip_zero:N   \partopsep
            \skip_zero:N   \itemsep
            \skip_set:Nn   \parsep { 6pt plus 2pt minus 1pt }
            \dim_zero:N    \itemindent
            \dim_zero:N    \listparindent
          }
        \item \ignorespaces
      }
      {
        \endlist
      }
  }
```

4.7 Title page

Some pages are supplied by SBL Press and this command notes this at the bottom of the page.

```
\cs_new_protected:Nn \__sblbook_supplied_page:
  {
    \group_begin:
      \vfill
      \normalfont
      \footnotesize
      \centering
      This ~ page ~ is ~ supplied ~ by ~ SBL ~ Press
      \para_end:
    \group_end:
  }
\tl_new:N \g__sblbook_subtitle_tl
\cs_set_protected:Npn \subtitle #1
  {
    \tl_gset:Nn \g__sblbook_subtitle_tl {#1}
  }
\tl_new:N \g__sblbook_series_tl
\cs_set_protected:Npn \series #1
  {
    \tl_gset:Nn \g__sblbook_series_tl {#1}
  }
\title    { [Title ~ of ~ Book] }
\subtitle { [Subtitle ~ of ~ Book] }
\author   { [Your ~ Name] }
\series   { [Series ~ Name] }
```

```
\NewTaggingSocket{ sblbook / flatblock / begin } { 1 }
\NewTaggingSocket{ sblbook / flatblock / end } { 0 }
\NewTaggingSocketPlug { sblbook / flatblock / begin } { default }
  {
    \tag_struct_begin:n
      {
        tag = #1
      }
    \tagpdfsetup { para / flattened = true }
  }
\NewTaggingSocketPlug { sblbook / flatblock / end } { default }
  {
    \para_end:
    \tag_struct_end:
  }
\AssignTaggingSocketPlug { sblbook / flatblock / begin } { default }
\AssignTaggingSocketPlug { sblbook / flatblock / end } { default }

\cs_set_protected:Npn \maketitle
  {
    \group_begin:
      \UseTaggingSocket { sblbook / flatblock / begin }
        { \UseStructureName { title / block } }
      \thispagestyle { empty }
      \centering
      \vspace* { 0.5in }
      \LARGE
      \IfDocumentMetadataTF
        {
          \UseTaggingSocket { title } { } { \MakeUppercase { \@title } }
        }
        {
          \MakeUppercase { \@title }
        }
      \para_end:
      \tl_if_empty:NF \g__sblbook_subtitle_tl
        {
          \vspace { 0.5in }
          \Large
          \g__sblbook_subtitle_tl
          \para_end:
        }
      \__sblbook_supplied_page:
      \UseTaggingSocket { sblbook / flatblock / end }
    \group_end:
  }

\RenewDocumentEnvironment { titlepage } { }
  {
    \clearpage
    \UseTaggingSocket { sblbook / flatblock / begin }
      { \UseStructureName { title / block } }
    \thispagestyle { empty }
    \centering
    \vspace* { 0.5in }
```

```
    \LARGE
    \IfDocumentMetadataTF
      {
        \UseTaggingSocket { title } { } { \MakeUppercase { \@title } }
      }
      {
        \MakeUppercase { \@title }
      }
    \para_end:
    \tl_if_empty:NF \g__sblbook_subtitle_tl
      {
        \vspace { 0.5in }
        \Large
        \g__sblbook_subtitle_tl
        \para_end:
      }
    \vspace { 0.5in }
    \large
    By
    \para_end:
    \@author
    \para_end:
    \normalsize
  }
  {
    \__sblbook_supplied_page:
    \UseTaggingSocket { sblbook / flatblock / end }
  }
```

4.8 Front matter environments

```
\NewDocumentEnvironment { copyrightpage } { }
  {
    \clearpage
    \UseTaggingSocket { sblbook / flatblock / begin } { semantic-para }
    \thispagestyle { empty }
    \vspace* { 0.5in }
    \noindent
    Copyright ~ © ~ \number \year \space by ~ \@author
  }
  {
    \__sblbook_supplied_page:
    \UseTaggingSocket { sblbook / flatblock / end }
  }
\NewDocumentEnvironment { seriespage } { }
  {
    \clearpage
    \UseTaggingSocket { sblbook / flatblock / begin } { semantic-para }
    \thispagestyle { empty }
    \centering
    \vspace* { 0.5in }
    \LARGE
    \MakeUppercase { \g__sblbook_series_tl }
```

```
    \para_end:
    \normalsize
  }
  {
    \__sblbook_supplied_page:
    \UseTaggingSocket { sblbook / flatblock / end }
  }
\NewDocumentEnvironment { dedication } { }
  {
    \cleardoublepage
    \UseTaggingSocket { sblbook / flatblock / begin } { semantic-para }
    \int_compare:nNnT { \c@page } < { 5 }
      {
        \int_gset:Nn \c@page { 5 }
      }
    \thispagestyle { empty }
    \centering
    \vspace* { 1.5in }
    \itshape
  }
  {
    \para_end:
    \UseTaggingSocket { sblbook / flatblock / end }
  }
\NewDocumentEnvironment { epigraph } { }
  {
    \cleardoublepage
    \UseTaggingSocket { sblbook / flatblock / begin } { semantic-para }
    \int_compare:nNnT { \c@page } < { 5 }
      {
        \int_gset:Nn \c@page { 5 }
      }
    \thispagestyle { empty }
    \vspace* { 0.5in }
  }
  {
    \para_end:
    \UseTaggingSocket { sblbook / flatblock / end }
  }
\cs_new_nopar:Npn \acknowledgementsname { Acknowledgements }
\NewDocumentEnvironment { acknowledgements } { }
  {
    \chapter* { \acknowledgementsname }
    \chaptermark { \acknowledgementsname }
    \addcontentsline { toc } { chapter } { \acknowledgementsname }
  }
  { \para_end: }
\cs_new_nopar:Npn \forewordname { Foreword }
\NewDocumentEnvironment { foreword } { }
  {
    \chapter* { \forewordname }
    \chaptermark { \forewordname }
```

```
    \addcontentsline { toc } { chapter } { \forewordname }
  }
  { \para_end: }
\cs_new_nopar:Npn \introductionname { Introduction }
\NewDocumentEnvironment { introduction } { }
  {
    \chapter* { \introductionname }
    \chaptermark { \introductionname }
    \addcontentsline { toc } { chapter } { \introductionname }
  }
  { \para_end: }
\cs_new_nopar:Npn \prefacename { Preface }
\NewDocumentEnvironment { preface } { }
  {
    \chapter* { \prefacename }
    \chaptermark { \prefacename }
    \addcontentsline { toc } { chapter } { \prefacename }
  }
  { \para_end: }
```

4.9 Section titles

For documents using `\DocumentMetadata` use standard kernel commands to redefine section headings, otherwise use the titlesec package.

```
\int_set:Nn \c@secnumdepth { 0 }
\cs_set_nopar:Npn \thepart { \arabic { part } }
\IfDocumentMetadataTF
  {
    \EditInstance { heading } { part }
      {
        , heading-decls        = \normalfont \Large \scshape \centering
        , placement            = page
        , placement-start-code = \if@openright
                                   \cleardoublepage
                                 \else
                                   \clearpage
                                 \fi
                                 \thispagestyle { empty }
                                 \if@twocolumn
                                   \onecolumn
                                   \@tempswafalse
                                 \fi
                                 \null \vfil
        , title-decls          =
      }
    \EditInstance { headformat } { part }
      {
        , separator-b = \par \nobreak \vspace { 12pt }
      }
    \EditInstance { heading } { chapter }
      {
        , after-penalty-vspace = \dim_eval:n { 0.5in + 10pt }
        , after-vspace         = 0.5in plus 12pt minus 6pt
```

```
      , heading-decls        = \normalfont \Large \centering
      , placement            = top
      , text                 =
      , title-decls          =
    }
  \EditInstance { headformat } { chapter }
    {
      , separator-b = \par \nobreak \vspace { 12pt }
    }
  \DeclareDocumentCommand \chapter { s = { shorttitle } o m }
    {
      \bool_if:nF {#1}
        {
          \__sblbook_if_page_numbering:nT { roman }
            {
              \cleardoublepage
              \pagenumbering { arabic }
            }
          \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
        }
      \legacy_if:nTF { @mainmatter }
        {
          \ParseLaTeXeHeading { chapter } {#1} {#2} {#3}
        }
        {
          \bool_if:nTF {#1}
            {
              \ParseLaTeXeHeading { chapter } {#1} {#2} {#3}
            }
            {
              \tl_if_novalue:nTF {#2}
                {
                  \ParseLaTeXeHeading { chapter } { \c_true_bool }
                    { shorttitle = {#3} } {#3}
                }
                {
                  \ParseLaTeXeHeading { chapter } { \c_true_bool }
                    {#2} {#3}
                }
            }
        }
    }
  \EditInstance { heading } { section }
    {
      , before-vspace = 12pt plus 2pt minus 1pt
      , after-vspace  = 10.5pt plus 4pt minus 2pt
      , heading-decls = \normalfont \normalsize \centering
      , title-format  = \MakeUppercase {#1}
    }
  \EditInstance { heading } { subsection }
    {
      , before-vspace = 6pt plus 2pt minus 1pt
      , after-vspace  = 4pt plus 2pt minus 1pt
      , heading-decls = \normalfont \normalsize \scshape \raggedright
```

```
    }
  \DeclareInstance { heading } { subsubsection } { runin }
    {
      , name                = subsubsection
      , parent-name         = subsection
      , level               = 3
      , before-vspace       = 6pt plus 2pt minus 1pt
      , heading-decls       = \normalfont \normalsize \scshape
      , mark-cmd            = \subsubsectionmark {#1}
      , headformat-instance = subsubsection
    }
  \DeclareInstance { headformat } { subsubsection } { runin }
    {
      , heading-indent = 0pt
    }
  \EditInstance { heading } { paragraph }
    {
      , before-vspace = 6pt plus 2pt minus 1pt
      , heading-decls = \normalfont \normalsize \itshape
    }
  \EditInstance { heading } { subparagraph }
    {
      , before-vspace = 6pt plus 2pt minus 1pt
      , heading-decls = \normalfont \normalsize \itshape
    }
  \EditInstance { headformat } { subparagraph }
    {
      , heading-indent = 0.25in
    }
}
{
  \RequirePackage [ newparttoc ] { titlesec }

  \titleclass { \part } { page }
  \assignpagestyle { \part } { empty }

  \titlespacing* { \part }         { 0pt }    { 0pt }
    { 0pt }
  \titlespacing* { \chapter }      { 0pt }    { 0.5in }
    { 0.5in plus 12pt minus 6pt }
  \titlespacing* { \section }      { 0pt }    { 12pt plus 4pt minus 2pt }
    { 10pt plus 4pt minus 2pt }
  \titlespacing* { \subsection }   { 0pt }    { 6pt plus 2pt minus 1pt }
    { 4pt plus 2pt minus 1pt }
  \titlespacing* {\subsubsection } { 0pt }    { 6pt plus 2pt minus 1pt }
    { 1em }
  \titlespacing* { \paragraph }    { 0pt }    { 6pt plus 2pt minus 1pt }
    { 1em }
  \titlespacing* { \subparagraph } { 0.25in } { 6pt plus 2pt minus 1pt }
    { 1em }

  \titleformat
    { \part }
    [ display ]
    { \vfil \normalfont \Large \scshape \filcenter }
    { \partname \space \thepart }
```

```
      { 12pt }
      { }
      [ \vfil ]
    \titleformat
      { \chapter }
      [ display ]
      { \normalfont \Large \filcenter }
      { \thechapter }
      { 12pt }
      { }
    \titleformat
      { \section }
      [ block ]
      { \normalfont \normalsize \filcenter }
      { \thesection }
      { 1em }
      { \MakeUppercase }
    \titleformat
      { \subsection }
      [ block ]
      { \normalfont \normalsize \scshape \filright }
      { \thesubsection }
      { 1em }
      { }
    \titleformat
      { \subsubsection }
      [ runin ]
      { \normalfont \normalsize \scshape }
      { \thesubsubsection }
      { 1em }
      { }
    \titleformat
      { \paragraph }
      [ runin ]
      { \normalfont \normalsize \itshape }
      { \theparagraph }
      { 1em }
      { }
    \titleformat
      { \subparagraph }
      [ runin ]
      { \normalfont \normalsize \itshape }
      { \thesubparagraph }
      { 1em }
      { }
  }
```

4.10 Table of contents and list of figures/tables

```
\int_set:Nn \c@tocdepth { 1 }

\cs_set_protected:Npn \tableofcontents
  {
    \chapter* { \contentsname }
```

```
    \@mkboth
      { \contentsname }
      { \contentsname }
    \int_compare:nNnT { \c@page } < { 5 }
      { \int_gset:Nn \c@page { 5 } }
    \__sblbook_lastparline_off:
    \@starttoc { toc }
    \__sblbook_lastparline_on:
  }
\cs_set_protected:Npn \listoffigures
  {
    \chapter* { \listfigurename }
    \addcontentsline { toc } { chapter } { \listfigurename }
    \@mkboth
      { \listfigurename }
      { \listfigurename }
    \__sblbook_lastparline_off:
    \@starttoc { lof }
    \__sblbook_lastparline_on:
  }
\cs_set_protected:Npn \listoftables
  {
    \chapter* { \listtablename }
    \addcontentsline { toc } { chapter } { \listtablename }
    \@mkboth
      { \listtablename }
      { \listtablename }
    \__sblbook_lastparline_off:
    \@starttoc { lot }
    \__sblbook_lastparline_on:
  }
```

For documents using `\DocumentMetadata` use standard kernel commands to redefine table of contents lines, otherwise use the titletoc package.

```
\IfDocumentMetadataTF
  {
    \cs_set:Npn \@pnumwidth { 2em }
    \hook_gput_code_with_args:nnn { contentsline / text / after }
      { sblbook }
      {
        \int_compare:nNnT {#1} > { \c_zero_int }
          {
            \cs_set_nopar:Npn \leaders ##1 ##2 { }
          }
      }
    \socket_new:nn { sblbook / numberline } { 1 }
    \socket_new_plug:nnn { sblbook / numberline }
      { boxed }
      {
        \hbox_to_wd:nn
          { \@tempdima }
          {
            \hook_use:nnw { contentsline / number / before } { 1 } {#1}
```

```
          \hfill #1. \enspace
          \hook_use:nnw { contentsline / number / after } { 1 } {#1}
        }
    }
  \socket_new_plug:nnn { sblbook / numberline }
    { default }
    {
      \hook_use:nnw { contentsline / number / before } { 1 } {#1}
      #1. \enspace
      \hook_use:nnw { contentsline / number / after } { 1 } {#1}
    }
  \socket_new_plug:nnn { sblbook / numberline }
    { chapter }
    {
      \int_compare:nNnTF { \int_use:N \sblbook@appendices } = { 1 }
        {
          \hook_use:nnw { contentsline / number / before } { 1 } {#1}
          \appendixname
          \int_compare:nNnT { \sblbook@appendix@state } > { 1 }
            {
              \InstanceValue { headformat } { chapter } { separator-a }
              #1
            }
          : \enspace
          \hook_use:nnw { contentsline / number / after } { 1 } {#1}
        }
        {
          \hbox_to_wd:nn
            { \@tempdima }
            {
              \hook_use:nnw { contentsline / number / before } { 1 } {#1}
              \hfill #1. \enspace
              \hook_use:nnw { contentsline / number / after } { 1 } {#1}
            }
        }
    }
  \socket_new_plug:nnn { sblbook / numberline }
    { part }
    {
      \hook_use:nnw { contentsline / number / before } { 1 } {#1}
      \InstanceValue { heading } { part } { text }
      \InstanceValue { headformat } { part } { separator-a }
      #1
      : \enspace
      \hook_use:nnw { contentsline / number / after } { 1 } {#1}
    }
  \socket_assign_plug:nn
    { sblbook / numberline } { default }
  \cs_set_nopar:Npn \numberline #1
    {
      \socket_use:n { sblbook / numberline } {#1}
    }
  \cs_set_nopar:Npn \l@part #1#2
    {
```

```
      \int_compare:nNnT { \c@tocdepth } > { -2 }
        {
          \socket_assign_plug:nn { sblbook / numberline } { part }
          \addpenalty { -\@highpenalty }
          \addvspace { 12pt plus 1pt }
          \group_begin:
            \centering
            \skip_set:Nn \leftskip  { \@pnumwidth plus 1.0fil }
            \skip_set_eq:NN \rightskip \leftskip
            {
              \mode_leave_vertical:
              \scshape
              \hook_use:nnw { contentsline / text / before } { 4 }
                { \toclevel@part }
                {#1}
                {#2}
                { \@contentsline@destination }
              \use:c { contentsline@text@-1@format } {#1}
              \hook_use:nnw { contentsline / text / after } { 4 }
                { \toclevel@part }
                {#1}
                {#2}
                { \@contentsline@destination }
              \hook_use:nnw { contentsline / page / before } { 4 }
                { \toclevel@part }
                {#1}
                {#2}
                { \@contentsline@destination }
              \hook_use:nnw { contentsline / page / after } { 4 }
                { \toclevel@part }
                {#1}
                {#2}
                { \@contentsline@destination }
            }
            \par
            \nobreak
          \group_end:
        }
    }
  \cs_set_nopar:Npn \l@chapter
    {
      \socket_assign_plug:nn { sblbook / numberline } { chapter }
      \@dottedtocline { 0 } { 0em } { 2em }
    }
  \cs_set_nopar:Npn \l@section
    {
      \socket_assign_plug:nn { sblbook / numberline } { default }
      \@dottedtocline { 1 } { 2em } { 0em }
    }
  \cs_set_nopar:Npn \l@subsection
    {
      \socket_assign_plug:nn { sblbook / numberline } { default }
      \@dottedtocline { 2 } { 4em } { 0em }
    }
```

```
    \cs_set_nopar:Npn \l@subsubsection
      {
        \socket_assign_plug:nn { sblbook / numberline } { default }
        \@dottedtocline { 3 } { 6em } { 0em }
      }
    \cs_set_nopar:Npn \l@paragraph
      {
        \socket_assign_plug:nn { sblbook / numberline } { default }
        \@dottedtocline { 4 } { 8em } { 0em }
      }
    \cs_set_nopar:Npn \l@subparagraph
      {
        \socket_assign_plug:nn { sblbook / numberline } { default }
        \@dottedtocline { 5 } { 10em } { 0em }
      }
    \cs_set_nopar:Npn \l@figure
      {
        \socket_assign_plug:nn { sblbook / numberline } { boxed }
        \@dottedtocline { 0 } { 0em } { 2em }
      }
    \cs_set_eq:NN \l@table \l@figure
  }
  {
    \RequirePackage { titletoc }
    \contentsmargin { 2em }
```

`\__sblbook_hyperlink:nn` `{`⟨*link*⟩`}` `{`⟨*text*⟩`}`

A convenience version of `\hyperlink` that just uses ⟨***text***⟩ if hyperref isn't loaded.

```
    \cs_new_protected:Nn \__sblbook_hyperlink:nn
      {
        \cs_if_exist_use:NTF \hyperlink
          { { #1 } { #2 } }
          { #2 }
      }
```

(*End of definition for* `\__sblbook_hyperlink:nn`.)

`\__sblbook_contents_label_box:nn` `{`⟨*width*⟩`}` `{`⟨*alignment*⟩`}`

Create a boxed contents label with a hyperlink if hyperref is loaded.

```
    \cs_new_protected:Nn \__sblbook_contents_label_box:nn
      {
        \__sblbook_hyperlink:nn
          { \Hy@tocdestname }
          {
            \makebox [ #1 ] [ #2 ] { \thecontentslabel . \enspace }
          }
      }
```

(*End of definition for* `\__sblbook_contents_label_box:nn`.)

`\__sblbook_contents_label:` Create an unboxed contents label with a hyperlink if hyperref is loaded.

```
    \cs_new_protected:Nn \__sblbook_contents_label:
```

```
    {
      \__sblbook_hyperlink:nn
        { \Hy@tocdestname }
        { \thecontentslabel . \enspace }
    }
```

(*End of definition for* `\__sblbook_contents_label:`.)

`\__sblbook_contents_above:n` `{`⟨*dimen*⟩`}`

Convenience macro for code before contents line. ⟨***dimen***⟩ is a horizontal offset the line.

```
\cs_new_protected:Nn \__sblbook_contents_above:n
  {
    \hspace* { -#1 }
    \filright
  }
```

(*End of definition for* `\__sblbook_contents_above:n`.)

```
\titlecontents { figure }
  [ 2em ]
  {
    \__sblbook_contents_above:n { 2em }
  }
  {
    \__sblbook_contents_label_box:nn { 2em } { r }
  }
  { }
  { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
\titlecontents { table }
  [ 2em ]
  {
    \__sblbook_contents_above:n { 2em }
  }
  {
    \__sblbook_contents_label_box:nn { 2em } { r }
  }
  { }
  { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
\titlecontents { part }
  [ 0pt ]
  {
    \addvspace { 12pt plus 1pt }
    \scshape \filcenter
    \skip_set:Nn \leftskip { \@pnumwidth plus 1.0fil }
    \skip_set_eq:NN \rightskip \leftskip
  }
  {
    \__sblbook_hyperlink:nn
      { \Hy@tocdestname }
      {
        \partname \space \thecontentslabel : \hspace { 0.5em }
      }
  }
  { }
```

```
    { }
  \titlecontents { chapter }
    [ 2em ]
    {
      \tl_if_empty:NF \thecontentslabel
        {
          \addvspace { 12pt plus 1pt }
        }
      \__sblbook_contents_above:n { 2em }
    }
    {
      \__sblbook_contents_label_box:nn { 2em } { r }
    }
    { }
    { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
  \titlecontents { section }
    [ 2em ]
    {
      \__sblbook_contents_above:n { 1sp }
    }
    { \__sblbook_contents_label: }
    { }
    { \hfill \contentspage }
  \titlecontents { subsection }
    [ 4em ]
    {
      \__sblbook_contents_above:n { 1sp }
    }
    { \__sblbook_contents_label: }
    { }
    { \hfill \contentspage }
  \titlecontents { subsubsection }
    [ 6em ]
    {
      \__sblbook_contents_above:n { 1sp }
    }
    { \__sblbook_contents_label: }
    { }
    { \hfill \contentspage }
  \titlecontents { paragraph }
    [ 8em ]
    {
      \__sblbook_contents_above:n { 1sp }
    }
    { \__sblbook_contents_label: }
    { }
    { \hfill \contentspage }
  \titlecontents { subparagraph }
    [ 10em ]
    {
      \__sblbook_contents_above:n { 1sp }
    }
    { \__sblbook_contents_label: }
    { }
```

```
      { \hfill \contentspage }
  }
```

Insert a space in the table of contents at the backmatter.

```
\hook_gput_code:nnn
  { cmd / backmatter / after }
  { sblbook }
  {
    \int_compare:nNnF { \int_use:N \sblbook@appendices } = { \c_zero_int }
      {
        \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
      }
  }
```

4.11 Appendices

Set up appendix headings and table of contents.

```
\cs_set_eq:NN \sblbook@hyperlink \__sblbook_hyperlink:nn
```

Create a state flag indicating if `\appendix` has been called. Within appendices, this flag is set to a value of 1. This is only used when `\DocumentMetadata` is in use.

```
\int_new:N \sblbook@appendices
```

Create a state flag for number of appendices. A value of 0 indicates there are no appendices, 1 indicates one appendix and 2 indicates multiple appendices.

```
\int_new:N \sblbook@appendix@state

\hook_gput_code:nnn { enddocument / afterlastpage } { sblbook }
  {
    \protected@write \@auxout
      { }
      {
        \exp_not:N \global
        \exp_not:N \sblbook@appendix@state
        \int_use:N \sblbook@appendix@state
      }
  }

\cs_new_protected:Nn \__sblbook_set_up_appendices:
  {
    \addtocontents { toc } { \sblbook@appendices 1 }
    \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
    \int_compare:nNnT { \sblbook@appendix@state } = { 1 }
      { \int_gzero:N \sblbook@appendix@state }
    \cs_set_nopar:Npn \thechapter { \arabic { chapter } }
    \IfDocumentMetadataTF
      {
        \addtocontents { toc }
          { \def \protect \chaptername { \appendixname } }
        \cs_new:Nn \__sblbook_appendix_number_format:
          {
            \int_compare:nNnT
              { \sblbook@appendix@state } > { 1 }
              { \thechapter }
```

```
    }
  \cs_new:Nn \__sblbook_appendix_separator_a:
    {
      \int_compare:nNnT
        { \sblbook@appendix@state } > { 1 }
        {
          \skip_horizontal:n { 0.5em }
        }
    }
  \EditInstance { heading } { chapter }
    {
      , number-format = \__sblbook_appendix_number_format:
      , text          = \appendixname
    }
  \EditInstance { headformat } { chapter }
    {
      , separator-a = \__sblbook_appendix_separator_a:
    }
  \DeclareDocumentCommand \chapter { s = { shorttitle } o m }
    {
      \legacy_if:nTF { @mainmatter }
        {
          \bool_if:nF {##1}
            {
              \int_compare:nNnT { \sblbook@appendix@state } < { 2 }
                { \int_gincr:N \sblbook@appendix@state }
            }
          \ParseLaTeXeHeading { chapter } {##1} {##2} {##3}
        }
        {
          \bool_if:nTF {##1}
            {
              \ParseLaTeXeHeading { chapter } {##1} {##2} {##3}
            }
            {
              \tl_if_novalue:nTF {##2}
                {
                  \ParseLaTeXeHeading { chapter } { \c_true_bool }
                    { shorttitle = {##3} } {##3}
                }
                {
                  \ParseLaTeXeHeading { chapter } { \c_true_bool }
                    {##2} {##3}
                }
            }
        }
    }
}
{
  \titleformat
    { \chapter }
    [ display ]
    {
      \normalfont \Large \filcenter
```

```
          }
          {
            \int_compare:nNnT { \sblbook@appendix@state } < { 2 }
              { \int_gincr:N \sblbook@appendix@state }
            \appendixname
            \int_compare:nNnT { \sblbook@appendix@state } > { 1 }
              {
                \space \thechapter
              }
          }
          { 12pt }
          { }
        \titlecontents { chapter }
          [ 2em ]
          {
            \hspace* { -2em }
            \filright
          }
          {
            \sblbook@hyperlink
              { \Hy@tocdestname }
              {
                \appendixname
                \ifnum \sblbook@appendix@state > 1
                  \strut \space \thecontentslabel
                \fi
                : \enspace
              }
          }
          { }
          { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
      }
  }
\hook_gput_code:nnn
  { cmd / appendix / after }
  { sblbook }
  { \__sblbook_set_up_appendices: }
```

4.12 Bibliography and list of abbreviations

```
\cs_set_nopar:Npn \bibfont { \small }
\dim_set:Nn \bibhang { 0.25in }
\dim_set:Nn \biblabelsep { 0.25in }
```

4.13 Helper functions

__sblbook_if_page_numbering:nT `{`⟨*numbering style*⟩`}` `{`⟨*code if true*⟩`}`

Test if the current page numbering style matches a particular style. (e.g., `arabic` or `roman`).

```
\prg_new_protected_conditional:Npnn \__sblbook_if_page_numbering:n #1 { T }
  {
    \cs_set_nopar:Nn \__sblbook_thepage_test:
      { \csname @ #1 \endcsname \c@page }
```

```
    \if_meaning:w \thepage \__sblbook_thepage_test:
      \prg_return_true:
    \else:
      \prg_return_false:
    \fi:
  }
```

(*End of definition for* `\__sblbook_if_page_numbering:nT`.)

```
\endinput
```

⟨/class⟩