

The `sblbook` Class

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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`, `biblatex-parse` and `biblatex-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 L^AT_EX 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	<code>\begin {\langle<i>acknowledgements</i>\rangle}</code> <code>\end {\langle<i>acknowledgements</i>\rangle}</code>
-------------------------	--

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

copyrightpage	<code>\begin {\langle<i>copyrightpage</i>\rangle}</code> <code>\end {\langle<i>copyrightpage</i>\rangle}</code>
----------------------	--

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

dedication	<code>\begin {\langle<i>dedication</i>\rangle}</code> <code>\end {\langle<i>dedication</i>\rangle}</code>
-------------------	--

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	<code>\begin {\langle<i>epigraph</i>\rangle}</code> <code>\end {\langle<i>epigraph</i>\rangle}</code>
-----------------	--

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	<code>\begin {\langle<i>foreword</i>\rangle}</code> <code>\end {\langle<i>foreword</i>\rangle}</code>
-----------------	--

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

introduction	<code>\begin {\langle<i>introduction</i>\rangle}</code> <code>\end {\langle<i>introduction</i>\rangle}</code>
---------------------	--

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

preface	<code>\begin {\langle<i>preface</i>\rangle}</code> <code>\end {\langle<i>preface</i>\rangle}</code>
----------------	--

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

seriespage	<code>\begin {\langle<i>seriespage</i>\rangle}</code> <code>\end {\langle<i>seriespage</i>\rangle}</code>
-------------------	--

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

titlepage	<code>\begin {\langle<i>titlepage</i>\rangle}</code> <code>\end {\langle<i>titlepage</i>\rangle}</code>
------------------	--

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	<code>biblatex = {\langle arguments \rangle}</code>	Default: <code>{style=sbl, language=auto, autolang=hyphen}</code>
-----------------	---	---

These options are passed to the `biblatex` package.

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

sblfonts	<code>sblfonts = {\langle arguments \rangle}</code>
-----------------	---

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	<code>sblidx = {\langle arguments \rangle}</code>	Default: <i>Empty</i>
---------------	---	-----------------------

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	<code>trim = true false</code>	Default: <code>false</code>
-------------	----------------------------------	-----------------------------

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

4 Implementation

```

1 <{*class>
2 <@@=sblbook>
3 \NeedsTeXFormat{LaTeX2e}
4 \ProvidesExplClass{sblbook}{2026-07-22}{1.1}
5 {Society of Biblical Literature Book Class (DCP)}
6 \clist_new:N \l__sblbook_options_to_book_class_clist
7 \keys_define:nn { sblbook }
8 {
9   , biblatex .clist_set:N = \l__sblbook_options_to_biblatex_clist
10  , sblfonts .clist_set:N = \l__sblbook_options_to_sblfonts_clist
11  , sblidx .clist_set:N = \l__sblbook_options_to_sblidx_clist
12  , trim .bool_set:N = \l__sblbook_trim_bool
13  , trim .default:n = true
14  , trim .initial:n = false
15  , unknown .code:n = {
16                                \clist_put_right:No
17                                \l__sblbook_options_to_book_class_clist
18                                { \CurrentOption }
19                                }
20 }
21 \ProcessKeyOptions

```

Set default options.

```

22 \clist_put_left:Nn \l__sblbook_options_to_book_class_clist
23 { }
24 \clist_put_left:Nn \l__sblbook_options_to_biblatex_clist
25 {
26   , style = sbl
27   , language = auto
28   , autolang = hyphen
29 }
30 \sys_if_engine_opentype:TF
31 {
32   \clist_put_left:Nn \l__sblbook_options_to_sblfonts_clist
33   {
34     , mainfont = Baskervaldx
35     , mainfontoptions = {
36                               , Extension = .otf
37                               , UprightFont = *-Reg
38                               , ItalicFont = *-Ita
39                               , BoldFont = *-Bol
40                               , BoldItalicFont = *-BolIta
41                             }
42     , sblfonts = true
43   }
44 }
45 {
46   \clist_put_left:Nn \l__sblbook_options_to_sblfonts_clist
47   {

```

```

48         , mainfont = Baskervaldx
49         , grfont   = Alegreya-LF
50         , hefont   = frank
51     }
52 }

```

Load book class.

```

53 \exp_args:No \PassOptionsToClass
54 { \l__sblbook_options_to_book_class_clist }
55 { book }
56 \LoadClass { book }

```

Font and language set up.

```

57 \exp_args:No \PassOptionsToPackage
58 { \l__sblbook_options_to_sblfonts_clist }
59 { sblfonts }
60 \RequirePackage { sblfonts }

```

Set up upper case kerning.

```

61 \sys_if_engine_opentype:T
62 {
63     \hook_gput_code:nnn
64     { cmd / MakeUppercase / before }
65     { sblbook }
66     { \addfontfeature { Kerning = Uppercase } }
67     \hook_gput_code:nnn
68     { cmd / MakeUppercase / after }
69     { sblbook }
70     { \addfontfeature { Kerning = UppercaseOff } }
71 }

```

biblatex set up.

```

72 \exp_args:No \PassOptionsToPackage
73 { \l__sblbook_options_to_biblatex_clist }
74 { biblatex }
75 \RequirePackage { biblatex }
76 \RequirePackage { csquotes }

77 \clist_if_exist:NT \l__sblbook_options_to_sbldidx_clist
78 {
79     \exp_args:No \PassOptionsToPackage
80     { \l__sblbook_options_to_sbldidx_clist }
81     { sbldidx }
82     \RequirePackage { sbldidx }
83     \@ifpackageloaded { bibleref }
84     {
85         \RequirePackage { bibleref-parse }
86     }
87     { }
88 }

```

4.1 Margins

```

89 \bool_if:NTF \l__sblbook_trim_bool
90 {

```

```

91 \RequirePackage
92 [
93   , paperwidth = 6in
94   , paperheight = 9in
95 ]
96 { geometry }
97 }
98 {
99   \RequirePackage { geometry }
100 }
101 \dim_new:N \l__sblbook_top_margin_dim
102 \dim_new:N \l__sblbook_inner_margin_dim
103 \dim_set:Nn \l__sblbook_top_margin_dim
104 { 0.5 \paperheight - 3.75in }
105 \dim_set:Nn \l__sblbook_inner_margin_dim
106 { 0.5 \paperwidth - 2.25in }
107 \geometry
108 {
109   , includehead = true
110   , marginparwidth = 0.5in
111   , textwidth = 4.5in
112   , height = 7.5in
113   , top = \l__sblbook_top_margin_dim
114   , inner = \l__sblbook_inner_margin_dim
115   , headsep = 12pt
116   , headheight = 12pt
117   , footskip = 12pt
118 }

```

4.2 Text layout

```

119 \dim_set:Nn \parindent { 0.25in }
120 \RequirePackage [ all ] { nowidow }
121 \RequirePackage [ hyphenation , lastparline ] { impnattypo }
122 \RequirePackage { microtype }

```

Commands to disable and enable the lastparline feature of the impnattypo package.

```

123 \cs_new_protected:Nn \__sblbook_lastparline_off:
124 {
125   \sys_if_engine luatex:T
126   {
127     \lua_now:e
128     {
129       luatexbase.remove_from_callback("pre_linebreak_filter",
130         "lastparline")
131     }
132   }
133 }
134 \cs_new_protected:Nn \__sblbook_lastparline_on:
135 {
136   \sys_if_engine luatex:T
137   {
138     \lua_now:e
139     {
140       luatexbase.add_to_callback("pre_linebreak_filter",

```

```

141         last_line_minimal_length, "lastparline")
142     }
143 }
144 }

```

4.3 Headers and footers

```

145 \RequirePackage { fancyhdr }
146 \pagestyle { fancy }
147 \fancyhf { }
148 \fancyhead [ LE , RO ] { \thepage }
149 \fancyhead [ CE ] { \itshape \nouppercase { \leftmark } }
150 \fancyhead [ CO ] { \itshape \nouppercase { \rightmark } }
151 \cs_set_nopar:Npn \headrulewidth { Opt }
152 \cs_set_nopar:Npn \chaptermark #1
153 {
154     \markboth { \@title } { #1 }
155 }
156 \cs_set_nopar:Npn \sectionmark #1 { }
157 \fancypagestyle { plain }
158 {
159     \fancyhf { }
160     \fancyfoot
161     [ C ]
162     {
163         \smash { \raisebox { 12pt } { -\,\thepage\,- } }
164     }
165     \cs_set_nopar:Npn \headrulewidth { Opt }
166     \cs_set_nopar:Npn \footrulewidth { Opt }
167 }
168 \cs_set_nopar:Npn \thispagestyle #1
169 {
170     \cs_if_exist:cTF { ps@#1 }
171     {
172         \tl_if_eq:nnT {#1} { plain }
173         {
174             \enlargethispage { -24pt }
175         }
176         \legacy_if_gset_true:n { @specialpage }
177         \cs_gset_nopar:Npn \@specialstyle {#1}
178     }
179     {
180         \undefinedpagestyle
181     }
182 }
183 \cs_set_nopar:Npn \cleardoublepage
184 {
185     \clearpage
186     \int_if_even:nT { \c@page }
187     {
188         \hbox:n { }
189         \thispagestyle { empty }
190         \newpage
191     }
192 }

```

4.4 Footnotes

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

```
193 \IfDocumentMetadataTF
194 {
195   \socket_new_plug:nnn { fntext / mark } { sblbook }
196   {
197     \skip_horizontal:N \footnotemargin
198     \@thefnmark . \enspace
199   }
200   \socket_assign_plug:nn { fntext / mark } { sblbook }
201   \socket_assign_plug:nn
202     { build / column / outputbox }
203     { floats-space-footnotes }
204 }
205 {
206
207   \RequirePackage [ bottom ] { footmisc }
208   \cs_set_protected:Npn \@makefntext #1
209   {
210     \dim_set_eq:NN \parindent \footnotemargin
211     \@thefnmark . \enspace
212     \footnotelayout #1
213   }
214 }
215 \dim_set:Nn \footnotemargin { 0.25in }
216 \cs_set:Npn \footnoterule
217 {
218   \kern -3pt
219   \hrule width 1.5in height .5pt depth 0pt
220   \kern 0.0625in
221 }
```

4.5 Captions

```
222 \skip_set:Nn \abovecaptionskip { 6pt }
223 \skip_set:Nn \belowcaptionskip { 6pt }
224 \cs_set:Npn \thefigure
225 {
226   \arabic { figure }
227 }
228 \cs_set:Npn \thetable
229 {
230   \arabic { table }
231 }
232 \counterwithout { figure } { chapter }
233 \counterwithout { table } { chapter }
234 \IfDocumentMetadataTF
235 {
236   \NewSocketPlug { caption / label } { sblbook }
237   {
238     \small
239     #1:~
```

```

240     }
241     \AssignSocketPlug { caption / label } { sblbook }
242   }
243   {
244     \RequirePackage [ font = small , skip = 6pt ] { caption }
245   }

```

4.6 Block quotes

```

246 \IfDocumentMetadataTF
247 {
248   \EditInstance { blockenv } { quotation }
249   {
250     , final-code = \small \ignorespaces
251   }
252   \EditInstance { block } { quotation-1 }
253   {
254     , begin-extra-vspace = 0pt
255     , begin-vspace       = 11pt plus 5pt minus 3pt
256     , left-margin        = \parindent
257     , right-margin       = \parindent
258     , para-indent        = \parindent
259     , para-vspace        = 0pt
260   }
261   \EditInstance { blockenv } { quote }
262   {
263     , final-code = \small \ignorespaces
264   }
265   \EditInstance { block } { quote-1 }
266   {
267     , begin-extra-vspace = 0pt
268     , begin-vspace       = 11pt plus 5pt minus 3pt
269     , left-margin        = \parindent
270     , right-margin       = \parindent
271     , para-indent        = 0pt
272     , para-vspace        = 6pt plus 2pt minus 1pt
273   }
274 }
275 {
276   \renewenvironment { quotation }
277   {
278     \small
279     \list { }
280     {
281       \dim_set_eq:NN \leftmargin \parindent
282       \dim_set_eq:NN \rightmargin \leftmargin
283       \skip_set:Nn \topsep { 11pt plus 5pt minus 3pt }
284       \skip_zero:N \partopsep
285       \skip_zero:N \itemsep
286       \skip_zero:N \parsep
287       \dim_set_eq:NN \itemindent \parindent
288       \dim_set_eq:NN \listparindent \parindent
289     }
290     \item \ignorespaces
291   }

```

```

292     {
293       \endlist
294     }
295   \renewenvironment { quote }
296   {
297     \small
298     \list { }
299     {
300       \dim_set_eq:NN \leftmargin \parindent
301       \dim_set_eq:NN \rightmargin \leftmargin
302       \skip_set:Nn \topsep { 11pt plus 5pt minus 3pt }
303       \skip_zero:N \partopsep
304       \skip_zero:N \itemsep
305       \skip_set:Nn \parsep { 6pt plus 2pt minus 1pt }
306       \dim_zero:N \itemindent
307       \dim_zero:N \listparindent
308     }
309     \item \ignorespaces
310   }
311   {
312     \endlist
313   }
314 }

```

4.7 Title page

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

```

315 \cs_new_protected:Nn \__sblbook_supplied_page:
316 {
317   \group_begin:
318   \vfill
319   \normalfont
320   \footnotesize
321   \centering
322   This ~ page ~ is ~ supplied ~ by ~ SBL ~ Press
323   \para_end:
324   \group_end:
325 }
326 \tl_new:N \g__sblbook_subtitle_tl
327 \cs_set_protected:Npn \subtitle #1
328 {
329   \tl_gset:Nn \g__sblbook_subtitle_tl {#1}
330 }
331 \tl_new:N \g__sblbook_series_tl
332 \cs_set_protected:Npn \series #1
333 {
334   \tl_gset:Nn \g__sblbook_series_tl {#1}
335 }
336 \title { [Title ~ of ~ Book] }
337 \subtitle { [Subtitle ~ of ~ Book] }
338 \author { [Your ~ Name] }
339 \series { [Series ~ Name] }

```

```

340 \NewTaggingSocket{ sblbook / flatblock / begin } { 1 }
341 \NewTaggingSocket{ sblbook / flatblock / end } { 0 }
342 \NewTaggingSocketPlug { sblbook / flatblock / begin } { default }
343 {
344   \tag_struct_begin:n
345   {
346     tag = #1
347   }
348   \tagpdfsetup { para / flattened = true }
349 }
350 \NewTaggingSocketPlug { sblbook / flatblock / end } { default }
351 {
352   \para_end:
353   \tag_struct_end:
354 }
355 \AssignTaggingSocketPlug { sblbook / flatblock / begin } { default }
356 \AssignTaggingSocketPlug { sblbook / flatblock / end } { default }

357 \cs_set_protected:Npn \maketitle
358 {
359   \group_begin:
360     \UseTaggingSocket { sblbook / flatblock / begin }
361     { \UseStructureName { title / block } }
362     \thispagestyle { empty }
363     \centering
364     \vspace* { 0.5in }
365     \LARGE
366     \IfDocumentMetadataTF
367     {
368       \UseTaggingSocket { title } { } { \MakeUppercase { \@title } }
369     }
370     {
371       \MakeUppercase { \@title }
372     }
373     \para_end:
374     \tl_if_empty:NF \g__sblbook_subtitle_tl
375     {
376       \vspace { 0.5in }
377       \Large
378       \g__sblbook_subtitle_tl
379       \para_end:
380     }
381     \__sblbook_supplied_page:
382     \UseTaggingSocket { sblbook / flatblock / end }
383   \group_end:
384 }

385 \RenewDocumentEnvironment { titlepage } { }
386 {
387   \clearpage
388   \UseTaggingSocket { sblbook / flatblock / begin }
389   { \UseStructureName { title / block } }
390   \thispagestyle { empty }
391   \centering
392   \vspace* { 0.5in }

```

```

393 \LARGE
394 \IfDocumentMetadataTF
395 {
396   \UseTaggingSocket { title } { } { \MakeUppercase { \@title } }
397 }
398 {
399   \MakeUppercase { \@title }
400 }
401 \para_end:
402 \tl_if_empty:NF \g__sblbook_subtitle_tl
403 {
404   \vspace { 0.5in }
405   \Large
406   \g__sblbook_subtitle_tl
407   \para_end:
408 }
409 \vspace { 0.5in }
410 \large
411 By
412 \para_end:
413 \@author
414 \para_end:
415 \normalsize
416 }
417 {
418   \__sblbook_supplied_page:
419   \UseTaggingSocket { sblbook / flatblock / end }
420 }

```

4.8 Front matter environments

```

421 \NewDocumentEnvironment { copyrightpage } { }
422 {
423   \clearpage
424   \UseTaggingSocket { sblbook / flatblock / begin } { text-unit }
425   \thispagestyle { empty }
426   \vspace* { 0.5in }
427   \noindent
428   Copyright ~ I ~ \number \year \space by ~ \@author
429 }
430 {
431   \__sblbook_supplied_page:
432   \UseTaggingSocket { sblbook / flatblock / end }
433 }
434 \NewDocumentEnvironment { seriespage } { }
435 {
436   \clearpage
437   \UseTaggingSocket { sblbook / flatblock / begin } { text-unit }
438   \thispagestyle { empty }
439   \centering
440   \vspace* { 0.5in }
441   \LARGE
442   \MakeUppercase { \g__sblbook_series_tl }

```

```

443     \para_end:
444     \normalsize
445   }
446   {
447     \__sblbook_supplied_page:
448     \UseTaggingSocket { sblbook / flatblock / end }
449   }

450 \NewDocumentEnvironment { dedication } { }
451   {
452     \cleardoublepage
453     \UseTaggingSocket { sblbook / flatblock / begin } { text-unit }
454     \int_compare:nNnT { \c@page } < { 5 }
455       {
456         \int_gset:Nn \c@page { 5 }
457       }
458     \thispagestyle { empty }
459     \centering
460     \vspace* { 1.5in }
461     \itshape
462   }
463   {
464     \para_end:
465     \UseTaggingSocket { sblbook / flatblock / end }
466   }

467 \NewDocumentEnvironment { epigraph } { }
468   {
469     \cleardoublepage
470     \UseTaggingSocket { sblbook / flatblock / begin } { text-unit }
471     \int_compare:nNnT { \c@page } < { 5 }
472       {
473         \int_gset:Nn \c@page { 5 }
474       }
475     \thispagestyle { empty }
476     \vspace* { 0.5in }
477   }
478   {
479     \para_end:
480     \UseTaggingSocket { sblbook / flatblock / end }
481   }

482 \cs_new_nopar:Npn \acknowledgementsname { Acknowledgements }
483 \NewDocumentEnvironment { acknowledgements } { }
484   {
485     \chapter* { \acknowledgementsname }
486     \chaptermark { \acknowledgementsname }
487     \addcontentsline { toc } { chapter } { \acknowledgementsname }
488   }
489   { \para_end: }

490 \cs_new_nopar:Npn \forewordname { Foreword }
491 \NewDocumentEnvironment { foreword } { }
492   {
493     \chapter* { \forewordname }
494     \chaptermark { \forewordname }

```

```

495 \addcontentsline { toc } { chapter } { \forewordname }
496 }
497 { \para_end: }

498 \cs_new_nopar:Npn \introductionname { Introduction }
499 \NewDocumentEnvironment { introduction } { }
500 {
501   \chapter* { \introductionname }
502   \chaptermark { \introductionname }
503   \addcontentsline { toc } { chapter } { \introductionname }
504 }
505 { \para_end: }

506 \cs_new_nopar:Npn \prefacename { Preface }
507 \NewDocumentEnvironment { preface } { }
508 {
509   \chapter* { \prefacename }
510   \chaptermark { \prefacename }
511   \addcontentsline { toc } { chapter } { \prefacename }
512 }
513 { \para_end: }

```

4.9 Section titles

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

```

514 \int_set:Nn \c@secnumdepth { 0 }
515 \cs_set_nopar:Npn \thepart { \arabic { part } }

516 \IfDocumentMetadataTF
517 {
518   \EditInstance { heading } { part }
519   {
520     , heading-decls = \normalfont \Large \scshape \centering
521     , title-decls   =
522     , start-code    = \cleardoublepage
523                     \thispagestyle { empty }
524                     \null \vfil
525   }
526   \EditInstance { headformat } { part }
527   {
528     , number-title-sep = 12pt
529   }
530   \DeclareDocumentCommand \part { s = { shorttitle } o m }
531   {
532     \ParseLaTeXeHeading { part } {#1} {#2} {#3}
533   }
534   \EditInstance { heading } { chapter }
535   {
536     , placement      = top
537     , after-penalty-vspace = 0.5in
538     , after-vspace    = 0.5in plus 12pt minus 6pt
539     , prefix          =
540     , heading-decls   = \normalfont \normalsize \Large \centering
541     , title-decls     =
542   }

```

```

543 \EditInstance { headformat } { chapter }
544 {
545   , number-title-sep = 12pt
546 }
547 \DeclareDocumentCommand \chapter { s = { shorttitle } o m }
548 {
549   \bool_if:nF {#1}
550   {
551     \__sblbook_if_page_numbering:nT { roman }
552     {
553       \cleardoublepage
554       \pagenumbering { arabic }
555     }
556     \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
557   }
558   \legacy_if:nTF { @mainmatter }
559   {
560     \ParseLaTeXeHeading { chapter } {#1} {#2} {#3}
561   }
562   {
563     \bool_if:nTF {#1}
564     {
565       \ParseLaTeXeHeading { chapter } {#1} {#2} {#3}
566     }
567     {
568       \tl_if_novalue:nTF {#2}
569       {
570         \ParseLaTeXeHeading { chapter } { \c_true_bool }
571         { shorttitle = {#3} } {#3}
572       }
573       {
574         \ParseLaTeXeHeading { chapter } { \c_true_bool }
575         {#2} {#3}
576       }
577     }
578   }
579 }
580 \EditInstance { heading } { section }
581 {
582   , before-vspace = 12pt plus 2pt minus 1pt
583   , after-vspace   = 10.5pt plus 4pt minus 2pt
584   , heading-decls = \normalfont \normalsize \centering
585 }
586 \EditInstance { headformat } { section }
587 {
588   , title-format = \MakeUppercase {#1}
589 }
590 \EditInstance { heading } { subsection }
591 {
592   , before-vspace = 6pt plus 2pt minus 1pt
593   , after-vspace   = 4pt plus 2pt minus 1pt
594   , heading-decls = \normalfont \normalsize \scshape \raggedright
595 }
596 \DeclareInstance { heading } { subsubsection } { runin }

```

```

597 {
598   , name                = subsection
599   , parent-name         = subsection
600   , level               = 3
601   , before-vspace       = 6pt plus 2pt minus 1pt
602   , after-vspace        = 1em
603   , heading-decls       = \normalfont \normalsize \scshape
604   , mark-cmd            = \subsubsectionmark {#1}
605   , headformat-instance = subsection
606 }
607 \DeclareInstance { headformat } { subsection } { runin }
608 {
609   , heading-indent = 0pt
610 }
611 \EditInstance { heading } { paragraph }
612 {
613   , before-vspace = 6pt plus 2pt minus 1pt
614   , after-vspace  = 1em
615   , heading-decls = \normalfont \normalsize \itshape
616 }
617 \EditInstance { heading } { subparagraph }
618 {
619   , before-vspace = 6pt plus 2pt minus 1pt
620   , after-vspace  = 1em
621   , heading-decls = \normalfont \normalsize \itshape
622 }
623 \EditInstance { headformat } { subparagraph }
624 {
625   , heading-indent = 0.25in
626 }
627 }
628 {
629   \RequirePackage [ newparttoc ] { titlesec }
630   \titleclass { \part } { page }
631   \assignpagestyle { \part } { empty }
632   \titlespacing* { \part }          { 0pt }   { 0pt }
633   { 0pt }
634   \titlespacing* { \chapter }       { 0pt }   { 0.5in }
635   { 0.5in plus 12pt minus 6pt }
636   \titlespacing* { \section }       { 0pt }   { 12pt plus 4pt minus 2pt }
637   { 10pt plus 4pt minus 2pt }
638   \titlespacing* { \subsection }    { 0pt }   { 6pt plus 2pt minus 1pt }
639   { 4pt plus 2pt minus 1pt }
640   \titlespacing* { \subsubsection } { 0pt }   { 6pt plus 2pt minus 1pt }
641   { 1em }
642   \titlespacing* { \paragraph }     { 0pt }   { 6pt plus 2pt minus 1pt }
643   { 1em }
644   \titlespacing* { \subparagraph }  { 0.25in } { 6pt plus 2pt minus 1pt }
645   { 1em }
646   \titleformat
647   { \part }
648   [ display ]
649   { \vfil \normalfont \Large \scshape \filcenter }

```

```

650     { \partname \space \thepart }
651     { 12pt }
652     { }
653     [ \vfil ]
654 \titleformat
655 { \chapter }
656 [ display ]
657 { \normalfont \Large \filcenter }
658 { \thechapter }
659 { 12pt }
660 { }
661 \titleformat
662 { \section }
663 [ block ]
664 { \normalfont \normalsize \filcenter }
665 { \thesection }
666 { 1em }
667 { \MakeUppercase }
668 \titleformat
669 { \subsection }
670 [ block ]
671 { \normalfont \normalsize \scshape \filright }
672 { \thesubsection }
673 { 1em }
674 { }
675 \titleformat
676 { \subsubsection }
677 [ runin ]
678 { \normalfont \normalsize \scshape }
679 { \thesubsubsection }
680 { 1em }
681 { }
682 \titleformat
683 { \paragraph }
684 [ runin ]
685 { \normalfont \normalsize \itshape }
686 { \theparagraph }
687 { 1em }
688 { }
689 \titleformat
690 { \subparagraph }
691 [ runin ]
692 { \normalfont \normalsize \itshape }
693 { \thesubparagraph }
694 { 1em }
695 { }
696 }

```

4.10 Table of contents and list of figures/tables

```

697 \int_set:Nn \c@tocdepth { 1 }
698 \cs_set_protected:Npn \tableofcontents
699 {

```

```

700 \chapter* { \contentsname }
701 \@mkboth
702   { \contentsname }
703   { \contentsname }
704 \int_compare:nNnT { \c@page } < { 5 }
705   { \int_gset:Nn \c@page { 5 } }
706 \__sblbook_lastparline_off:
707 \@starttoc { toc }
708 \__sblbook_lastparline_on:
709 }

710 \cs_set_protected:Npn \listoffigures
711 {
712   \chapter* { \listfigurename }
713   \addcontentsline { toc } { chapter } { \listfigurename }
714   \@mkboth
715     { \listfigurename }
716     { \listfigurename }
717   \__sblbook_lastparline_off:
718   \@starttoc { lof }
719   \__sblbook_lastparline_on:
720 }

721 \cs_set_protected:Npn \listoftables
722 {
723   \chapter* { \listtablename }
724   \addcontentsline { toc } { chapter } { \listtablename }
725   \@mkboth
726     { \listtablename }
727     { \listtablename }
728   \__sblbook_lastparline_off:
729   \@starttoc { lot }
730   \__sblbook_lastparline_on:
731 }

```

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

```

732 \IfDocumentMetadataTF
733 {
734   \cs_set:Npn \@pnumwidth { 2em }
735   \hook_gput_code_with_args:nnn { contentsline / text / after }
736     { sblbook }
737     {
738       \int_compare:nNnT {#1} > { \c_zero_int }
739       {
740         \cs_set_nopar:Npn \leaders ##1 ##2 { }
741       }
742     }
743   \socket_new:nn { sblbook / numberline } { 1 }
744   \socket_new_plug:nnn { sblbook / numberline }
745     { boxed }
746     {
747       \hbox_to_wd:nn
748       { \@tempdima }
749       {

```

```

750         \hook_use:nnw { contentsline / number / before } { 1 } {#1}
751         \hfill #1. \enspace
752         \hook_use:nnw { contentsline / number / after } { 1 } {#1}
753     }
754 }
755 \socket_new_plug:nnn { sblbook / numberline }
756 { default }
757 {
758     \hook_use:nnw { contentsline / number / before } { 1 } {#1}
759     #1. \enspace
760     \hook_use:nnw { contentsline / number / after } { 1 } {#1}
761 }
762 \socket_new_plug:nnn { sblbook / numberline }
763 { chapter }
764 {
765     \int_compare:nNnTF { \int_use:N \sblbook@appendices } = { 1 }
766     {
767         \hook_use:nnw { contentsline / number / before } { 1 } {#1}
768         \chaptername
769         \int_compare:nNnT { \sblbook@appendix@state } > { 1 }
770         {
771             \skip_horizontal:n
772             {
773                 \InstanceValue
774                 { headformat } { chapter } { prefix-number-sep }
775             }
776             #1
777         }
778         : \enspace
779         \hook_use:nnw { contentsline / number / after } { 1 } {#1}
780     }
781     {
782         \hbox_to_wd:nn
783         { \@tempdima }
784         {
785             \hook_use:nnw { contentsline / number / before } { 1 } {#1}
786             \hfill #1. \enspace
787             \hook_use:nnw { contentsline / number / after } { 1 } {#1}
788         }
789     }
790 }
791 \socket_new_plug:nnn { sblbook / numberline }
792 { part }
793 {
794     \hook_use:nnw { contentsline / number / before } { 1 } {#1}
795     \InstanceValue { heading } { part } { prefix }
796     \skip_horizontal:n
797     {
798         \InstanceValue { headformat } { part } { prefix-number-sep }
799     }
800     #1
801     : \enspace
802     \hook_use:nnw { contentsline / number / after } { 1 } {#1}
803 }

```

```

804 \socket_assign_plug:nn
805 { sblbook / numberline } { default }
806 \cs_set_nopar:Npn \numberline #1
807 {
808   \socket_use:n { sblbook / numberline } {#1}
809 }
810 \cs_set_nopar:Npn \l@part #1#2
811 {
812   \int_compare:nNnT { \c@tocdepth } > { -2 }
813   {
814     \socket_assign_plug:nn { sblbook / numberline } { part }
815     \addpenalty { -\@highpenalty }
816     \addvspace { 12pt plus 1pt }
817     \group_begin:
818       \centering
819       \skip_set:Nn \leftskip { \@pnumwidth plus 1.0fil }
820       \skip_set_eq:NN \rightskip \leftskip
821       {
822         \mode_leave_vertical:
823         \scshape
824         \hook_use:nnw { contentsline / text / before } { 4 }
825         { \toclevel@part }
826         {#1}
827         {#2}
828         { \@contentsline@destination }
829         \use:c { contentsline@text@-1@format } {#1}
830         \hook_use:nnw { contentsline / text / after } { 4 }
831         { \toclevel@part }
832         {#1}
833         {#2}
834         { \@contentsline@destination }
835         \hook_use:nnw { contentsline / page / before } { 4 }
836         { \toclevel@part }
837         {#1}
838         {#2}
839         { \@contentsline@destination }
840         \hook_use:nnw { contentsline / page / after } { 4 }
841         { \toclevel@part }
842         {#1}
843         {#2}
844         { \@contentsline@destination }
845       }
846       \par
847       \nobreak
848     \group_end:
849   }
850 }
851 \cs_set_nopar:Npn \l@chapter
852 {
853   \socket_assign_plug:nn { sblbook / numberline } { chapter }
854   \@dottedtocline { 0 } { 0em } { 2em }
855 }
856 \cs_set_nopar:Npn \l@section
857 {

```

```

858     \socket_assign_plug:nn { sblbook / numberline } { default }
859     \@dottedtocline { 1 } { 2em } { 0em }
860   }
861   \cs_set_nopar:Npn \l@subsection
862   {
863     \socket_assign_plug:nn { sblbook / numberline } { default }
864     \@dottedtocline { 2 } { 4em } { 0em }
865   }
866   \cs_set_nopar:Npn \l@subsubsection
867   {
868     \socket_assign_plug:nn { sblbook / numberline } { default }
869     \@dottedtocline { 3 } { 6em } { 0em }
870   }
871   \cs_set_nopar:Npn \l@paragraph
872   {
873     \socket_assign_plug:nn { sblbook / numberline } { default }
874     \@dottedtocline { 4 } { 8em } { 0em }
875   }
876   \cs_set_nopar:Npn \l@subparagraph
877   {
878     \socket_assign_plug:nn { sblbook / numberline } { default }
879     \@dottedtocline { 5 } { 10em } { 0em }
880   }
881   \cs_set_nopar:Npn \l@figure
882   {
883     \socket_assign_plug:nn { sblbook / numberline } { boxed }
884     \@dottedtocline { 0 } { 0em } { 2em }
885   }
886   \cs_set_eq:NN \l@table \l@figure
887 }
888 {
889   \RequirePackage { titletoc }
890   \contentsmargin { 2em }

```

`\_sblbook_hyperlink:nn` $\{\langle link \rangle\} \{\langle text \rangle\}$

A convenience version of `\hyperlink` that just uses $\langle text \rangle$ if `hyperref` isn't loaded.

```

891   \cs_new_protected:Nn \_sblbook_hyperlink:nn
892   {
893     \cs_if_exist_use:NTF \hyperlink
894     { { #1 } { #2 } }
895     { #2 }
896   }

```

(End of definition for `\_sblbook_hyperlink:nn`.)

`\_sblbook_contents_label_box:nn` $\{\langle width \rangle\} \{\langle alignment \rangle\}$

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

```

897   \cs_new_protected:Nn \_sblbook_contents_label_box:nn
898   {
899     \_sblbook_hyperlink:nn
900     { \Hy@tocdestname }
901     {
902       \makebox [ #1 ] [ #2 ] { \thecontentslabel . \enspace }

```

```

903     }
904 }

```

(End of definition for `\_sblbook\_contents\_label\_box:nn`.)

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

```

905 \cs_new_protected:Nn \_sblbook\_contents\_label:
906 {
907   \_sblbook\_hyperlink:nn
908   { \Hy@tocdestname }
909   { \thecontentslabel . \enspace }
910 }

```

(End of definition for `\_sblbook\_contents\_label:.`)

`\_sblbook\_contents\_above:n` $\{ \langle \textit{dimen} \rangle \}$

Convenience macro for code before contents line. $\langle \textit{dimen} \rangle$ is a horizontal offset the line.

```

911 \cs_new_protected:Nn \_sblbook\_contents\_above:n
912 {
913   \hspace* { -#1 }
914   \filright
915 }

```

(End of definition for `\_sblbook\_contents\_above:n`.)

```

916 \titlecontents { figure }
917 [ 2em ]
918 {
919   \_sblbook\_contents\_above:n { 2em }
920 }
921 {
922   \_sblbook\_contents\_label\_box:nn { 2em } { r }
923 }
924 { }
925 { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
926 \titlecontents { table }
927 [ 2em ]
928 {
929   \_sblbook\_contents\_above:n { 2em }
930 }
931 {
932   \_sblbook\_contents\_label\_box:nn { 2em } { r }
933 }
934 { }
935 { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
936 \titlecontents { part }
937 [ Opt ]
938 {
939   \addvspace { 12pt plus 1pt }
940   \scshape \filcenter
941   \skip_set:Nn \leftskip { \@pnumwidth plus 1.0fil }
942   \skip_set_eq:NN \rightskip \leftskip
943 }
944 {

```

```

945     \__sblbook_hyperlink:nn
946     { \Hy@tocdestname }
947     {
948         \partname \space \thecontentslabel : \hspace { 0.5em }
949     }
950 }
951 { }
952 { }
953 \titlecontents { chapter }
954 [ 2em ]
955 {
956     \tl_if_empty:NF \thecontentslabel
957     {
958         \addvspace { 12pt plus 1pt }
959     }
960     \__sblbook_contents_above:n { 2em }
961 }
962 {
963     \__sblbook_contents_label_box:nn { 2em } { r }
964 }
965 { }
966 { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
967 \titlecontents { section }
968 [ 2em ]
969 {
970     \__sblbook_contents_above:n { 1sp }
971 }
972 { \__sblbook_contents_label: }
973 { }
974 { \hfill \contentspage }
975 \titlecontents { subsection }
976 [ 4em ]
977 {
978     \__sblbook_contents_above:n { 1sp }
979 }
980 { \__sblbook_contents_label: }
981 { }
982 { \hfill \contentspage }
983 \titlecontents { subsubsection }
984 [ 6em ]
985 {
986     \__sblbook_contents_above:n { 1sp }
987 }
988 { \__sblbook_contents_label: }
989 { }
990 { \hfill \contentspage }
991 \titlecontents { paragraph }
992 [ 8em ]
993 {
994     \__sblbook_contents_above:n { 1sp }
995 }
996 { \__sblbook_contents_label: }
997 { }
998 { \hfill \contentspage }

```

```

999     \titlecontents { subparagraph }
1000       [ 10em ]
1001       {
1002         \__sblbook_contents_above:n { 1sp }
1003       }
1004       { \__sblbook_contents_label: }
1005       { }
1006       { \hfill \contentspage }
1007   }

```

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

```

1008 \hook_gput_code:nnn
1009 { cmd / backmatter / after }
1010 { sblbook }
1011 {
1012   \int_compare:nNnF { \int_use:N \sblbook@appendices } = { \c_zero_int }
1013   {
1014     \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
1015   }
1016 }

```

4.11 Appendices

Set up appendix headings and table of contents.

```

1017 \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.

```

1018 \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.

```

1019 \int_new:N \sblbook@appendix@state

1020 \hook_gput_code:nnn { enddocument / afterlastpage } { sblbook }
1021 {
1022   \protected@write \@auxout
1023   { }
1024   {
1025     \exp_not:N \global
1026     \exp_not:N \sblbook@appendix@state
1027     \int_use:N \sblbook@appendix@state
1028   }
1029 }

1030 \cs_new_protected:Nn \__sblbook_set_up_appendices:
1031 {
1032   \addtocontents { toc } { \sblbook@appendices 1 }
1033   \addtocontents { toc } { \addvspace { 12pt ~ plus ~ 1pt } }
1034   \int_compare:nNnT { \sblbook@appendix@state } = { 1 }
1035   { \int_gzero:N \sblbook@appendix@state }
1036   \cs_set_nopar:Npn \thechapter { \arabic { chapter } }
1037   \IfDocumentMetadataTF
1038   {

```

```

1039 \addtocontents { toc }
1040 { \def \protect \chaptername { \appendixname } }
1041 \cs_new:Nn \__sblbook_appendix_number_format:n
1042 {
1043   \int_compare:nNnT
1044     { \sblbook@appendix@state } > { 1 }
1045     { \theheading }
1046 }
1047 \cs_new:Nn \__sblbook_appendix_prefix_number_sep:
1048 {
1049   \int_compare:nNnTF
1050     { \sblbook@appendix@state } > { 1 }
1051     { 0.5em }
1052     { 0em }
1053 }
1054 \EditInstance { heading } { chapter }
1055 {
1056   , number-format = \__sblbook_appendix_number_format:n
1057   , prefix        = \appendixname
1058 }
1059 \EditInstance { headformat } { chapter }
1060 {
1061   , prefix-number-sep = \__sblbook_appendix_prefix_number_sep:
1062 }
1063 \DeclareDocumentCommand \chapter { s = { shorttitle } o m }
1064 {
1065   \legacy_if:nTF { @mainmatter }
1066   {
1067     \bool_if:nF {##1}
1068     {
1069       \int_compare:nNnT { \sblbook@appendix@state } < { 2 }
1070       { \int_gincr:N \sblbook@appendix@state }
1071     }
1072     \ParseLaTeXeHeading { chapter } {##1} {##2} {##3}
1073   }
1074   {
1075     \bool_if:nTF {##1}
1076     {
1077       \ParseLaTeXeHeading { chapter } {##1} {##2} {##3}
1078     }
1079     {
1080       \tl_if_novalue:nTF {##2}
1081       {
1082         \ParseLaTeXeHeading { chapter } { \c_true_bool }
1083         { shorttitle = {##3} } {##3}
1084       }
1085       {
1086         \ParseLaTeXeHeading { chapter } { \c_true_bool }
1087         {##2} {##3}
1088       }
1089     }
1090   }
1091 }
1092 }

```

```

1093 {
1094   \titleformat
1095     { \chapter }
1096     [ display ]
1097     {
1098       \normalfont \Large \filcenter
1099     }
1100     {
1101       \int_compare:nNnT { \sblbook@appendix@state } < { 2 }
1102       { \int_gincr:N \sblbook@appendix@state }
1103       \appendixname
1104       \int_compare:nNnT { \sblbook@appendix@state } > { 1 }
1105       {
1106         \space \thechapter
1107       }
1108     }
1109     { 12pt }
1110     { }
1111   \titlecontents { chapter }
1112     [ 2em ]
1113     {
1114       \hspace* { -2em }
1115       \filright
1116     }
1117     {
1118       \sblbook@hyperlink
1119       { \Hy@tocdestname }
1120       {
1121         \appendixname
1122         \ifnum \sblbook@appendix@state > 1
1123           \strut \space \thecontentslabel
1124         \fi
1125         : \enspace
1126       }
1127     }
1128     { }
1129     { \hspace { 0.5em } \titlerule* [ 0.65pc ] { . } \contentspage }
1130   }
1131 }
1132 \hook_gput_code:nnn
1133 { cmd / appendix / after }
1134 { sblbook }
1135 { \__sblbook_set_up_appendices: }

```

4.12 Bibliography and list of abbreviations

```

1136 \cs_set_nopar:Npn \bibfont { \small }
1137 \dim_set:Nn \bibhang { 0.25in }
1138 \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).

```
1139 \prg_new_protected_conditional:Npnn \__sblbook_if_page_numbering:n #1 { T }
1140 {
1141   \cs_set_nopar:Nn \__sblbook_thepage_test:
1142     { \csname @ #1 \endcsname \c@page }
1143   \if_meaning:w \thepage \__sblbook_thepage_test:
1144     \prg_return_true:
1145   \else:
1146     \prg_return_false:
1147   \fi:
1148 }
```

(End of definition for __sblbook_if_page_numbering:nT.)

```
1149 \endinput
1150 </class>
```