

packages and classes container

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Full contents

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Figures

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Part One

classes



Chapter One

aesthetic

1.1 QUICK FACTS

file `aesthetic.cls`

description a memoir based class for providing the quick style i prefer

dependencies none, can be fragile regarding styling/fonts/etc

requires ALEGREYA optional — see section 1.2 on the following page

ATBEGSHI allows for appendix command — see section 1.4 on page 3

ARRAY needed for the M column type¹

MICROTYPE no current way to pass options, and i don't intend on adding one. the point is to make documents look nice as painlessly as possible

PIFONT needed for fancy breaks

¹i believe this is called by memoir anyway, but i have no interesting breaking things/any dependencies

loads MEMOIR — options cannot be overridden and are

openany only has a super noticable effect if pagebreaks or partpages is called (section 1.2)

twoside this is designed for book like classes, and the headings will break if you call oneside

fullptlayout just helps typesetting, especially since we call MICROTYPE²

extrafontsizes so you can call all of the large text sizes you want

[**user options**] whatever you want. twocolumn is disabled (will break the page layout, and two column documents are plenty compact. this is to help with the tightness of one column documents, because presumably you want decent readability without using too much paper.)

example this file (using lowerhead, 12pt)

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1.2 CLASS OPTIONS

lowerhead formats head in small caps/lowercase, vs all caps. not recommended for part headings.³

numberedhead adds numbers to headings³

otherfont allows a font other than Alegreya to be called. if you call this, Alegreya just isn't loaded, so if you want to use Alegreya for headers/what have you, call the font and change it manually.

pagebreaks adds pagebreaks/supresses the commands which condense the document. this does *not* reformat part parges

partheadings changes headings from being labeled as chapter & section to part & chapter³

²i'm honestly not 100% sure this makes a difference, but i'm not turning it off

³there is currently no way to change this within the document. i have no plans of changing this.

partpages allows parts to be formatted on their own page, while maintaining the fancy breaks. if enabled with pagebreaks, will provide the package partpage formatting

shortnames turns off the automatic full part/chapter names in the header. unless numberedhead is called, this has no effect.

1.3 RELATED/RECOMMENDED

AFTERPAGE helps with float and table typesetting

BOOKTABS the aesthetics of this make heavy use of horizontal rules, so you'll probably want to have the nicer looking tables anyway

CSQUOTES i think either **BABEL** or **MEMOIR** calls this, and it'll make your life a bit easier

XCOLOR colors are nice, they jive well, and if you want to mess with some of the **MEMOIR** options, now you can.

XTAB helps with longer tables. you can use **LONGTABLE** if that's your preference, but if i ever write up some of my other common commands as classes/packages, i'll write them for **XTAB**

1.4 MACROS

\contents calls the standard set of contents (short contents, full contents, list of figures, list of tables). adds a part for contents, but does not enter or exist **\frontmatter** so you can add contents under. not very flexible.

M{<width>} a horizontally/vertically centered column.

\makeappendix prints out a formatted appendix. see the end of this document.

\makebackmatter [] prints out the command to enter backmatter without forcing a page break. optional argument typesets a file/text between the switch command and the transition spacer.

1.5 KNOWN ISSUES

afterpage breaking yeah this isn't really a class problem *however* i bring it up here because it does happen, where you get fucked over because AFTERPAGE doesn't know what it's doing. just make sure you've added lots of text.

calling footnotes in sections something about the formatting commands for the sections breaks footnotes⁴. you can't use `\protect\footnote{}` because it will incorrectly format the font of the footnote. instead, use `\protect\footnotemark\footnotetext{}`. this does not happen for chapters.

failure to break pages you may have used `\let\par\russianpar`. bad idea. it will mess with the commands used to control chapters. this doesn't always cause problems (especially if you have longer chapters), but i don't recommend messing with it.

weird looking tables explained in section 1.7. basically, you should not call flexible width tables in this, and instead, use M

1.6 POSSIBLE ADDITIONS/PLANS

footnote toggles turning where footnotes are numbered into an option, as well as adding easier per page symbolic footnotes.

upper/lower options so that for the ~aesthetic~ all lowercase documents can also have easy tables of contents, etc.

1.7 CLASS INFORMATION⁵

class options pretty much all of the class options just create conditionals in the form `\@option<boolean>` which can be used with `\makeatletter` and `\makeatother`⁶.

⁴because of the commands that format them, sections are actually pretty fragile. there isn't a consistent and easy workaround.

⁵not recommended, but i am a completionist in all things

⁶i'm not sure if this would actually work, however, because none of the class options have anything to do with the document once you've started the document, they're all called on start up. i guess this could change in the future?

headings we use a modified version of the ruled style which gives us some flexibility in the marks. this bit of the file is more verbose than needed, but if you want to mess with the headings, you can mess with the ruled style

parts and chapters basically just heavy use of `\renewcommand{ }{ }` over breaks, skips, fonts, etc., to get it all consistent.

tabcolsep set to 0pt, so make sure you consider that. this is, as far as i'm concerned, a positive for typesetting tables because it lets you actually use textwidth based ratios for setting tables.

footnotes numbered consecutively though the whole document. could easily be changed in the preamble, but i don't recommend doing that unless you're using pagebreaks, because it can create weirdness like two footnotes of the same number on the same page in edge cases.

contents just calls the contents in the predictable/defined way.

appendix calls a few commands to add everything to the table of contents without being a pain

backmatter uses `ATBEGSHI` to turn `\@mainmatterfalse` on after the page finishes⁷, and then after the optional argument, adds a page separator

⁷for grouping reasons, `\afterpage` doesn't work here, and the work around basically becomes just using what `ATBEGSHI` does.

Appendices

