

njustthesis 0.0.1

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1 njustthesis

Thesis template for NJUST¹.

1.1 Dependent

1.1.1 Required

- A LaTeX distribution. Such as texlive².
- cnlogo³ provides the logos of many Chinese Universities.

¹<https://njust.edu.cn>

²<https://github.com/TeX-Live/texlive-source>

³<https://github.com/yuxtech/cnlogo/>

1.2 Install

1.2.1 Use Package Manager

```
tlmgr install njustthesis
```

1.2.2 Install From Source Code

```
l3build install
```

1.3 Customize

Default values:

```
\njustsetup{
  logo = \njustwhole[njust][0.5], % depend on cnlogo
  cover-title = 毕业设计说明书,
  author = 佚名,
  id = 916101630000,
  department = 电子工程与光电技术学院,
  discipline = 电子工程与光电技术,
  title = ,
  subtitle = ,
  supervisor = 张三,
  associate-supervisor = 李四,
  judge = 王五,
  supervisor-title = 教授,
  associate-supervisor-title = 教授,
  judge-title = 教授,
  year = \the\year, % the time of paper
  month = \the\month,
  day = \the\day,
  abstract-prefix = 毕业论文,
  signature = ,
  signature* = , % star means english
  abstract-prefix = 毕业论文,
  title* = ,
  subtitle* = ,
  header-title = 本科毕业设计说明书,
}
```

Note: Add {} around the string which contain ' ', '=', and ', '.

Example:

```
\documentclass{njustthesis}
\njustsetup{%
  author = 张三,
  id = 916101630000,
```

```

discipline = 电子信息工程,
title = {论文名字带逗号, 或空格 },
subtitle = 所以加花括弧括起来,
title* = {English name},
supervisor = ,
supervisor-title = 教授,
judge = ,
% signature = \includegraphics{signature.pdf},
judge-title = 教授,
}
\usepackage{subfiles}
\begin{document}

\maketitle

\frontmatter
\tableofcontents
\listoffigures
\listoftables

\mainmatter%
% \subfile{subfiles/chapter1.tex}

\backmatter%
% \bibliography{refs/main.bib}

\appendix
% \subfile{subfiles/appendix1.tex}

\end{document}

```

See more examples⁴.

1.4 Tips

texdoc njustthesis

1.5 Todo

- pandoc⁵ template for user can write markdown then convert it to latex.
- Change format from `ctexbook` to `ctexart` in order to use `beamerarticle.sty` more conveniently.

⁴<https://github.com/Freed-Wu?tab=repositories&q=njust&language=teX>

⁵<https://github.com/jgm/pandoc>

1.6 FAQ

Q: Why another wheel?

A: Because former wheels cannot satisfy me. Some even only provide a `*.tex` not `*.cls`. So crude.

Q: 100% compatible with official `docx` template?

A: If you find something unreasonable, welcome to pull request!

More questions see issues⁶.

1.7 Reference

- thuthesis⁷ May be the best thesis template among all Chinese theses. Any one can learn something from it. Such as literate programming, separation of content and presentation, etc.

A Implement

```
1 <*cls | sty>
2 % Fakechapter information
3 \@ifundefined{NeedsTeXFormat}{% 2.09 version
4 <cls> \def\filename{njustthesis.cls}
5 <sty> \def\filename{njustthesis.sty}
6 \def\filedate{2022-03-04}
7 \def\fileversion{0.0.1}
8 \typeout{Package: '\filename' \fileversion<\filedate>}
9 }{% 2e version
10 \NeedsTeXFormat{LaTeX2e}[1994/12/01]
11 \ProvidesClass{njustthesis}[2022-03-04 0.0.1]
12 }
13
14 % Fakechapter kvset
15 \RequirePackage{kvdefinekeys}
16 \RequirePackage{kvsetkeys}
17 \RequirePackage{kvoptions}
18 \SetupKeyvalOptions{%
19 family = njust,
20 prefix = njust@,
21 setkeys = \kvsetkeys,
22 }
23 \newcommand\njustsetup{%
24 \kvsetkeys{njust}
25 }
26 \newcommand\njust@define@key[1]{%
27 \kvsetkeys{njust@key}{#1}
28 }
29 \newcommand\njust@error[1]{%
```

⁶<https://github.com/Freed-Wu/njustthesis/issues>

⁷<https://github.com/tuna/thuthesis>

```

30 <cls> \ClassError{njustthesis}{#1}{%
31 }
32 \kv@set@family@handler{njust@key}{%
33 \@namedef{njust@#1@name}{#1}
34 \def\njust@@default{}
35 \def\njust@@choices{}
36 \kv@define@key{njust@value}{name}{%
37 \@namedef{njust@#1@name}{##1}
38 }
39 \kv@define@key{njust@value}{code}{%
40 \@namedef{njust@#1@code}{##1}
41 }
42 \@namedef{njust@#1@check}{}
43 \@namedef{njust@#1@code}{}
44 \@namedef{njust@#1@hook}{%
45 \expandafter
46 \ifx\csname\currname.\@current-h@@k\endcsname\relax
47 \@nameuse{njust@#1@code}
48 \else
49 \AtEndOfClass{%
50 \@nameuse{njust@#1@code}
51 }
52 \fi
53 }
54 \kv@define@key{njust@value}{choices}{%
55 \def\njust@@choices{##1}
56 \@namedef{njust@#1@reset}{}
57 \@namedef{njust@#1@check}{%
58 \ifundefined{%
59 ifnjust@\@nameuse{njust@#1@name}\@nameuse{njust@\@nameuse{njust@#1@name}}
60 }{%
61 \njust@error{Invalid value ``#1 = \@nameuse{njust@\@nameuse{njust@#1@name}}'}' '
62 }
63 \@nameuse{njust@#1@reset}
64 \@nameuse{njust@\@nameuse{njust@#1@name}}\@nameuse{njust@\@nameuse{njust@#1@name}}true
65 }
66 }
67 \kv@define@key{njust@value}{default}{%
68 \def\njust@@default{##1}
69 }
70 \kvsetkeys{njust@value}{#2}
71 \@namedef{njust@\@nameuse{njust@#1@name}}{}
72 \kv@set@family@handler{njust@choice}{%
73 \ifx\njust@@default\empty
74 \def\njust@@default{##1}
75 \fi
76 \expandafter\newif\csname ifnjust@\@nameuse{njust@#1@name}@@##1\endcsname
77 \expandafter\g@addto@macro\csname njust@#1@reset\endcsname{%
78 \@nameuse{njust@\@nameuse{njust@#1@name}}@@##1false}
79 }

```

```

80 }
81 \kvsetkeys@expandafter{njust@choice}{\njust@@choices}
82 \expandafter\let\csname njust@\@nameuse{njust@#1@@name}\endcsname\njust@@default
83 \expandafter
84 \ifx\csname njust@\@nameuse{njust@#1@@name}\endcsname\@empty
85 \else
86   \@nameuse{njust@#1@@check}
87   \@nameuse{njust@#1@@hook}
88 \fi
89 \kv@define@key{njust}{#1}{%
90   \@namedef{njust@\@nameuse{njust@#1@@name}}{##1}
91   \@nameuse{njust@#1@@check}
92   \@nameuse{njust@#1@@hook}
93 }
94 }
95 \newcommand\njust@addto[2]{%
96   \expandafter\g@addto@macro\csname njust@#1@@code\endcsname{#2}
97 }
98
99 % Fakechapter default
100 \njust@define@key{%
101   logo = {%
102     default = \njustwhole[njust][0.5],
103   },
104   cover-title = {%
105     name = cover@title,
106     default = {毕业设计说明书},
107   },
108   author = {%
109     default = {佚名},
110   },
111   id = {%
112     default = {916101630000},
113   },
114   department = {%
115     default = {电子工程与光电技术学院},
116   },
117   discipline = {%
118     default = {电子工程与光电技术},
119   },
120   title = {%
121   },
122   subtitle = {%
123   },
124   supervisor = {%
125     default = {张三},
126   },
127   associate-supervisor = {%
128     name = associate@supervisor,
129   },

```

```

130 judge = {%
131     default = {王五},
132 },
133 supervisor-title = {%
134     name = supervisor@title,
135     default = {教授},
136 },
137 associate-supervisor-title = {%
138     name = associate@supervisor@title,
139 },
140 judge-title = {%
141     name = judge@title,
142     default = {教授},
143 },
144 year = {%
145     default = \the\year,
146 },
147 month = {%
148     default = \the\month,
149 },
150 day = {%
151     default = \the\day,
152 },
153 signature = {%
154     default = \makebox[4em]{},
155 },
156 signature* = {%
157     name = signature@teacher,
158     default = \makebox[4em]{},
159 },
160 abstract-prefix = {%
161     name = abstract@prefix,
162     default = {毕业论文},
163 },
164 title* = {%
165     name = title@en,
166 },
167 subtitle* = {%
168     name = subtitle@en,
169 },
170 header-title = {%
171     name = header@title,
172     default = {本科毕业设计说明书},
173 },
174 }
175 </cls | sty>
176
177 <*cls>
178 % Fakechapter class
179 \ProcessKeyvalOptions*

```

```

180 \LoadClass[
181   twoside,
182   openright,
183   UTF8,
184   heading = true,
185   scheme = plain,
186   zihao = -4,
187   sub4section,
188 ]{ctexbook}
189 \ctexset{%
190   today = small,
191   chapter = {%
192     name = {},
193     number = \arabic{chapter},
194     aftername = \hspace{1\ccwd},
195     format = \ifthenelse{\value{chapter}=0}{\centering}{\
196       \zihao{3}\heiti\bfseries,
197     beforekip = 0.5\ccwd,
198     afterskip = 0.5\ccwd,
199   },
200   section = {%
201     aftername = \hspace{1\ccwd},
202     format = \ifthenelse{\value{chapter}=0}{\centering}{\
203       \zihao{-3}\heiti\bfseries,
204     beforekip = 0.5\ccwd,
205     afterskip = 0.5\ccwd,
206   },
207   subsection = {%
208     format = \zihao{4}\heiti\bfseries,
209   },
210   appendixname = 附录,
211   contentsname = {目\hspace{\ccwd} 次},
212   listfigurename = 插图索引,
213   listtablename = 表格索引,
214   figurename = 图,
215   tablename = 表,
216   bibname = 参考文献,
217   indexname = 索引,
218 }
219 \counterwithout{figure}{chapter}
220 \counterwithout{table}{chapter}
221 \counterwithout{equation}{chapter}
222
223 % Fakechapter package
224 % Fakesection text
225 % Fakesubsection punctuation
226 \RequirePackage{csquotes}
227 % Fakesubsubsection 中文引号
228 \DeclareQuoteStyle{zh}
229 {\symbol{"201C}}% “

```



```

230 {\symbol{"201D}}}%”
231 {\symbol{"2018}}}% ‘
232 {\symbol{"2019}}}% ’
233 \setquotestyle{zh}
234 % Fakesubsubsection 日文引号
235 \DeclareQuoteStyle{ja}
236 {\symbol{"300E}}}% 『
237 {\symbol{"300F}}}% 』
238 {\symbol{"300C}}}% 「
239 {\symbol{"300D}}}% 」
240 % Fakesubsubsection 书名号
241 \DeclareQuoteStyle{book}
242 {\symbol{"300A}}}% 《
243 {\symbol{"300B}}}% 》
244 {\symbol{"3008}}}% 〈
245 {\symbol{"3009}}}% 〉
246 % Fakesubsubsection indent
247 \RequirePackage[indentfirst]
248 % Fakesubsubsection space
249 \RequirePackage[setspace]
250
251 % Fakesubsection style
252 % Fakesubsubsection toc
253 \RequirePackage[toc]
254 \titlecontents{chapter}[0pt]{\filright}{\contentspush{\thecontentslabel}}{}
255 {\titlerule*{.}\contentspage}
256 \RequirePackage[nottoc]{tocbibind}
257 % Fakesubsubsection header
258 \RequirePackage{fancyhdr}
259 \fancypagestyle{njust@fancy}{%
260   \renewcommand{\headrulewidth}{0.4pt}
261   \fancyhead[OC, EC]{\zihao{-2}\njust@header@title}
262   \fancyhead[EL, OR]{\zihao{5} 第\thepage~ 页}
263   \fancyhead[ER, OL]{}
264   \fancyfoot[EC, OC]{}
265 }
266 \fancypagestyle{plain}{%
267   \pagestyle{njust@fancy}
268 }
269 \pagestyle{njust@fancy}
270
271 % Fakesubsubsection footnote
272 \RequirePackage{pifont}
273 \RequirePackage[
274   perpage,
275   symbol*
276 ]{footmisc}
277 \DefineFNsymbols{circled}{%
278   {\ding{192}}
279   {\ding{193}}

```

```

280 {\ding{194}}
281 {\ding{195}}
282 {\ding{196}}
283 {\ding{197}}
284 {\ding{198}}
285 {\ding{199}}
286 {\ding{200}}
287 {\ding{201}}
288 }
289 \setfnsymbol{circled}
290 % Fakesubsection reference
291 \RequirePackage[
292   square, comma, numbers, super, sort&compress, longnamesfirst, sectionbib,
293   nonamebreak
294 ]{natbib}
295 \bibliographystyle{gbt7714-plain}
296
297 % Fakesection figure
298 \RequirePackage{graphicx}
299 \graphicspath{%
300   {fig/}
301   {fig/\arabic{chapter}/}
302   {figures/}
303   {figures/\arabic{chapter}/}
304   {images/}
305 }
306 \RequirePackage[njust]{cnlogo}
307
308 % Fakesection formula
309
310 % Fakesection table
311 \RequirePackage{tabu}
312 \RequirePackage{multicol}
313
314 % Fakesubsection math
315 \RequirePackage{newtxmath}
316 \setlength{\abovedisplayskip}{0.5em}
317 \setlength{\belowdisplayskip}{0.5em}
318 % Fakesubsection exercise
319 \RequirePackage{exercise}
320 \renewcommand{\ExerciseName}{问题}
321 \renewcommand{\AnswerName}{回答}
322 \renewcommand{\listexercisename}{问题}
323
324 % Fakesection item
325 \RequirePackage{enumitem}
326 \setlist[enumerate, 1]{%
327   fullwidth,
328   label = (\arabic*),
329   font = \textup,

```

```

330 itemindent = 2em,
331 }
332 \setlist[enumerate, 2]{%
333   fullwidth,
334   label = (\alph*),
335   font = \textup,
336   itemindent = 4em,
337 }
338
339 % Fakesection other
340 \RequirePackage{boxedminipage}
341
342 \title{\njust@title}
343 \author{\njust@author}
344
345 % Fakechapter command
346 \renewcommand\maketitle{%
347   \thispagestyle{empty}
348   \begin{titlepage}
349     \centering
350     \begin{spacing}{1}
351       \zihao{4}
352       \vspace{0.5\ccwd}
353
354       \vspace{1\ccwd}
355
356       \fontsize{30pt}{30pt}\selectfont\kaishu%
357       \njust@logo
358
359       \vspace{0.2\ccwd}
360
361       \fontsize{45pt}{45pt}\selectfont\heiti%
362       \njust@cover@title
363
364       \zihao{-1}
365       \vspace{1\ccwd}
366     \end{spacing}
367
368     \begin{spacing}{1.5}
369       \zihao{3}
370       \begin{tabu}
371         {\@{X[r, 5cm]@{X[l, 3cm]
372         X[r, 4cm]@{X[l, 4cm]@{}}
373         \textbf{作 者: } &
374         \underline{\makebox[3cm][c]{\kaishu\njust@author}} &
375         \textbf{学 号: } &
376         \underline{\makebox[4cm][c]{\kaishu\njust{id}}} \\
377         \textbf{学 院: } &
378         \multicolumn{3}{c}{\underline{\makebox[11cm][c]{
379         {\kaishu\njust@department}}}} \\

```

```

380     \textbf{专业 (方向): } &
381     \multicolumn{3}{c}{
382         \underline{\makebox[11cm][c]{\kaishu\njust@discipline}}} \\
383     \textbf{题 目: } &
384     \multicolumn{3}{c}{
385         \underline{\makebox[11cm][c]{\kaishu\njust@title}}} \\
386     \textbf{} &
387     \multicolumn{3}{c}{
388         \underline{\makebox[11cm][c]{\kaishu\njust@subtitle}}}
389     \end{tabu}
390     \vspace{0em}
391 \end{spacing}
392
393 \begin{spacing}{1}
394     \zihao{3}
395     \vspace{1\ccwd}
396
397     \zihao{-3}
398     \textbf{指导者:}\underline{\makebox[15.5\ccwd][c]{\njust@supervisor\hspace{1em}\njust@supervisor}}
399
400     \hspace{5em}
401
402     \phantom{指导者:}\underline{\makebox[15.5\ccwd][c]{\njust@associate@supervisor\hspace{1em}\njust@associate@supervisor}}
403
404     \hspace{5em}
405
406     \textbf{评阅者:}\underline{\makebox[15.5\ccwd][c]{\njust@judge\hspace{1em}\njust@judge@title}}
407
408     \hspace{5em}
409
410     \zihao{-2}
411     \njust@year 年\njust@month 月
412 \end{spacing}
413 \vspace{0em}
414 \end{titlepage}
415 }
416
417 \newcommand\copyrightpage{%
418     \newpage
419     \thispagestyle{empty}
420     \begin{center}
421         \heiti\zihao{3} 声\hspace{2\ccwd} 明
422     \end{center}
423
424     \begin{spacing}{1.5}
425         \zihao{4}
426
427         我声明,本\njust@abstract@prefix 及其研究工作和所取得的成果是本人在导师
428         的指导下独立完成的。研究过程中利用的所有资料均已在参考文献中列出,其他人员或机

```

429 构对本\just@abstract@prefix 工作做出的贡献也已在致谢部分说明。

430

431 本\just@abstract@prefix 不涉及任何秘密, 南京理工大学有权保存其电子和纸质文档

432 , 可以借阅或网上公布其部分或全部内容, 可以向有关部门或机构送交并授权保存

433 、借阅或网上公布其部分或全部内容。

434

435 \vspace{2\ccwd}

436

437 \begin{flushright}

438 学生签名: \just@signature

439

440 \vspace{1\ccwd}

441

442 \just@year 年\just@month 月\just@day 日

443

444 \vspace{2\ccwd}

445

446 指导教师签名: \just@signature@teacher

447

448 \vspace{1\ccwd}

449

450 \just@year 年\just@month 月\just@day 日

451 \end{flushright}

452 \end{spacing}

453 \clearpage

454 }

455

456 \newcommand\reviewpage{%

457 \begin{tabu}to.75\linewidth{@{}X[1]X[1]@{}}

458 \hline

459 论文选题符合课程考核要求, 具有一定的理论意义和实用价值, 作者阅读较广泛, 参考文献较充足。

460 &

461 \begin{tabu}{@{}X[1]@{}}

462 很好 \$ \square \$ 较好 \$ \square \$

463

464 一般 \$ \square \$ 尚可 \$ \square \$

465

466 差 \$ \square \$

467 \end{tabu}

468

469 \hline

470 论文观点正确, 结构较合理, 层次较清晰, 逻辑性强, 论述较全面, 工作量较充实, 结论具有一定的现实指导意义。

471 &

472 \begin{tabu}{@{}X[1]@{}}

473 很好 \$ \square \$ 较好 \$ \square \$

474

475 一般 \$ \square \$ 尚可 \$ \square \$

```

476
477 差 $ \square $
478 \end{tabu}
479
480 \hline
481 该生平时学习较认真，善于思考，到课率高，不迟到早退。文章语言表达较好，格
482 式符合规范要求，体现了较好的学风。
483 &
484 \begin{tabu}{@{}X[1]@{}}
485 很好 $ \square $ 较好 $ \square $
486
487 一般 $ \square $ 尚可 $ \square $
488
489 差 $ \square $
490 \end{tabu}
491
492 \hline
493 \begin{tabu}{@{}X[1]@{}}
494 教师签名：
495
496 年 ~ 月 ~ 日
497 \end{tabu}
498 &
499
500 \hline
501 \end{tabu}
502
503 \begin{flushleft}
504 \makebox[5\ccwd][c]{注：请将该封面与论文装订成册（论文双面打印）。}
505 \end{flushleft}$0
506
507 \begin{boxedminipage}{\linewidth}
508 \zihao{4}
509
510 任课老师评语：
511
512 \vspace{40mm}
513
514 \begin{flushright}
515 签名： \underline{\makebox[6\ccwd][c]{}}
516
517 年\makebox[2\ccwd][c]{ }月\makebox[2\ccwd][c]{ }日
518 \end{flushright}
519
520 \vspace{20mm}
521
522 \end{boxedminipage}
523 \clearpage
524 }
525

```

```

526 % Fakechapter environment
527 \newenvironment{abstract}{%
528   \newpage
529   \thispagestyle{empty}
530   \centering
531   \zihao{3}{\ziju{0.5}\heiti\njust@abstract@prefix
532   中文摘要}
533
534   \vspace{0.3em}
535
536   \begin{boxedminipage}[t][18cm]{\linewidth}
537     \begin{spacing}{1.5}
538       \zihao{-4}
539
540       \vspace{1\ccwd}
541
542     }{%
543       \end{spacing}
544     \end{boxedminipage}
545 }
546
547 \newenvironment{abstract*}{%
548   \newpage
549   \thispagestyle{empty}
550   \centering
551   \zihao{3}\ziju{0.5}\heiti\njust@abstract@prefix
552   英文摘要
553
554   \vspace{0.3em}
555
556   \begin{boxedminipage}[t][18cm]{\linewidth}
557     \begin{spacing}{1}
558       \zihao{4}
559
560       \vspace{1em}
561
562       \begin{tabu} to \linewidth{@{}X[1]@{}X[1, 8]@{}}
563         \textbf{Title} &
564         \hspace{2em}\underline{
565           \makebox[15em][c]{\zihao{4}\njust@title@en}} \\\
566         \phantom{Title} &
567         \hspace{2em}\underline{
568           \makebox[15em][c]{\zihao{4}\njust@subtitle@en}} \\\
569       \end{tabu}
570
571       \textbf{Abstract}
572
573       \zihao{-4}
574
575       \vspace{2em}

```

```

576
577 }{%
578     \end{spacing}
579     \end{boxedminipage}
580 }
581
582 \newenvironment{keyword}{%
583     \vspace{1em}
584     \noindent\textbf{关键词}\hspace{1\ccwd}
585 }{%
586 }
587
588 \newenvironment{keyword*}{%
589     \vspace{1em}
590     \noindent\textbf{Keywords}\hspace{1em}
591 }{%
592 }
593
594 \newenvironment{acknowledgement}{%
595     \newpage
596     \begin{center}
597         \zihao{3} 致谢
598     \end{center}
599
600 }{%
601 }
602 </cls>
603
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