

litetable 宏包 — 多彩的課程表*

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1 介紹

litetable 宏包提供了一個多彩的課程表設計，基於 TikZ 由 expl3 開發。支援 pdfTeX, XeTeX, ApTeX 同 LuaTeX 等多種編譯方式。點擊跳轉 [\[English\]](#) [\[简体中文\]](#) 手冊。

2 用戶接口

要加載此宏包，只需寫下

```
\usepackage{litetable}
```

litetable (env.) 環境 litetable 可生成空白課程表，需在命令 \timelist 同 \weeklist 後執行

```
\begin{litetable} [<keys>] {<title>} [<keys>] ... \end{litetable}
```

強制參數用於設定課程表標題，可選參數接受以下鍵

scale = <float> 可設定課程表的縮放比例（默認值: 1.0）。

color = <color> 可設定課程表框架的背景色（默認值: gray），鍵名可省略。

sem = <string> 可設定頁面右上角的學期信息。

hline = <string> 可設定水平線的樣式（默認值: solid）。

```
\weeklist \weeklist [<keys>] {<list>} [<keys>]
```

強制參數接收數組，用於設定課程表頂部的工作日列表同列寬。可選參數接受以下鍵

format = <format commands> 可設置工作日列表格式（默認值: \bfseries）。

sep = <string> 可設定工作日列表的分隔符。

```
\weeklist [ format = \bfseries \scshape, sep = \textbar ]
{ Mon -> 1.05, Tue -> 1.05, Wed -> 1.1, Thu -> 1.1, Fri -> .9 }
```

*<https://github.com/myhsia/litetable>, <https://ctan.org/pkg/litetable>

[†]郭李軍開發了解析 <left> -> <right> 型數據結構的接口。

`\timelist` `\timelist` [`<keys>`] {`<list>`} [`<keys>`]

強制參數均接收數組，用於設置課程表的左側的時間列表. 可選參數接受以下鍵

numformat = `<format>` 可設定時間列表的序號字體（默認值: `\ttfamily \bfseries`）.

timeformat = `<format>` 可設定時間列表的時間字體（默認值: `\ttfamily`）.

hidetime = `<true|false>` 用於隱藏時間列表中的時間，只保留序號（初始值: `false`）.

```
\timelist [ numformat = \bfseries, timeformat = \ttfamily ]
{ 08:30 -> 10:00, 10:30 -> 12:00, 13:00 -> 14:30, 15:00 -> 16:30 }
```

`\course` `\course` [`<keys>`] {`<start>`} [`<keys>`] {`<end>`} [`<keys>`]

用於在當前工作日添加課程盒子，需在 `litetable` 環境中執行. 兩個強制參數分別用於設置課程的開始同結束序號. 可選參數接收下列鍵

color = `<color>` 用於設置課程盒子的顏色（默認值: `teal`）. 鍵名可省略.

subject = `<string>` 用於設置課程名稱.

location = `<string>` 用於設置課程地點.

lecture = `<string>` 用於設置授課教師.

comment = `<string>` 用於給課程添加腳注.

T_EXhackers note:

- 若 `<start>` = `<end>`（課程盒子的高度為 1），若 **location** 和 **lecture** 會輸出在同一行，而且 **comment** 將隱藏.
- 即使誤將 `<start>` 同 `<end>` 寫反，模板也會自動糾正.
- 若 **location** 同 **lecture** 均未使用，則 **subject** 將輸出在課程盒子的豎直方向中心.
- 超出課程表範圍的課程盒子將唔顯示，並會返回警告. 輸入用例見 Appendix 3.

`\newday` `\newday` [`<integral value>`]

使其後面添加的課程盒子後移 `<intergal value>` 個工作日. 可選參數的默認值為 1.

`\more` `\more` {`<comment>`}

在課程表的右下角添加備注.

3 工作範例

```
\documentclass[svgnames, a4paper]{article}

\usepackage{litetable, twemojis}
\usepackage[osf, mono = false]{libertine}
\usepackage[T1]{fontenc}

\begin{document}

\weeklist [ format = \bfseries \scshape, sep = \textbar ]
{
  \textttwemoji{1f312} Mon -> 1.05, \textttwemoji{1f525} Tue -> 1.05,
  \textttwemoji{1f30a} Wed -> 1.1, \textttwemoji{1f332} Thu -> .9,
  \textttwemoji{1fa99} Fri -> .9
}

\timelist [ numformat = \ttfamily \bfseries, timeformat = \ttfamily ]
{
  08:05 -> 08:50, 08:55 -> 09:40, 10:00 -> 10:45, 10:50 -> 11:35,
  11:40 -> 12:25, 13:30 -> 14:15, 14:20 -> 15:05, 15:15 -> 16:00,
  16:05 -> 16:50, 18:30 -> 19:15, 19:20 -> 20:05, 20:10 -> 20:55
}

\begin{litetable} [ DarkBlue, sem = SEM 7, hline = dashed ]
{Course Schedule}
\course [ subject = interface3, comment = \TeX-Live 2025,
          lecture = The \LaTeX\ Project, DarkBlue ] {4} {5}
\newday
\course [ subject = expl3, lecture = The \LaTeX\ Project ] {8} {8}
\newday
\course [ subject = Keep on \TeX ing, lecture = Donald E. Knuth,
          location = Stanford University, Purple ] {10} {11}
\newday
\course [ subject = Ti\textit{k}/Z, lecture = \textsc{pgf},
          Crimson, comment = Version 3.1.10 ] {3} {5}
\more {Programme Duration: 09 / 2021 -- 07 / 2025}
\end{litetable}

\end{document}
```

Course Schedule

SEM 7

● MON

🔥 TUE

🌊 WED

🌲 THU

🌞 FRI

1

08:05
08:50

2

08:55
09:40

3

10:00
10:45

4

10:50
11:35

5

11:40
12:25

6

13:30
14:15

7

14:20
15:05

8

15:15
16:00

9

16:05
16:50

10

18:30
19:15

11

19:20
20:05

12

20:10
20:55

interface3

The L^AT_EX Project

T_EX Live 2025

TikZ

PGF

Version 3.1.10

expl3

The L^AT_EX Project

Keep on T_EXing

Stanford University
Donald E. Knuth

A The Source Code

```

1 < *package>
2 < @@=ltbl>
3 \ProvidesExplPackage {litetable} {2025-11-15} {v3.8C}
4   {A Colorful Timetable Design}
5 \RequirePackage{tikz}

Warning Broadcast
6 \cs_new_protected:Npn \__ltbl_msg_new:nn #1#2
7   { \msg_new:nnn { litetable } {#1} {#2} }
8 \cs_new_protected:Npn \__ltbl_msg_warning:n #1
9   { \msg_warning:nn { litetable } {#1} }
10 \__ltbl_msg_new:nn { course }
11   { \exp_not:N \course ~ box(s) ~ exceed ~ workdays ~ were ~ ignored }

\__ltbl_get_left:nN
\__ltbl_get_left:eN
\__ltbl_get_right:nN
\__ltbl_get_right:eN
Handle <left> -> <right> data structures (by Lijun Guo)
12 \cs_new_protected_nopar:Npn \__ltbl_get_left:nN #1#2
13   {
14     \group_begin: \seq_set_split:Nnn \l__ltbl_tmpa_seq { -> } {#1}
15     \exp_args:NNNe \group_end:
16     \tl_set:Nn #2 { \seq_item:Nn \l__ltbl_tmpa_seq { 1 } }
17   }
18 \cs_new_protected_nopar:Npn \__ltbl_get_right:nN #1#2
19   {
20     \group_begin: \seq_set_split:Nnn \l__ltbl_tmpa_seq { -> } {#1}
21     \exp_args:NNNe \group_end:
22     \tl_set:Nn #2 { \seq_item:Nn \l__ltbl_tmpa_seq { 2 } }
23   }
24 \cs_generate_variant:Nn \__ltbl_get_left:nN { eN }
25 \cs_generate_variant:Nn \__ltbl_get_right:nN { eN }

(End of definition for \__ltbl_get_left:nN and \__ltbl_get_right:nN.)

```

A.1 User's Interface

\weeklist Set a list of working days and the width of each column at the top of the timetable.

```

26 \NewDocumentCommand \weeklist { O{} m O{} }
27   {
28     \keys_set:nn { litetable / weeklist } { #1, #3 }
29     \__ltbl_weeklist:n {#2}
30   }

```

Key-value definitions for the \weeklist command.

```

\l__ltbl_weeklist_format_tl
\l__ltbl_weeklist_sep_tl
31 \keys_define:nn { litetable / weeklist }
32   {
33     format .tl_set:N = \l__ltbl_weeklist_format_tl,
34     format .initial:n = \bfseries,
35     sep .tl_set:N = \l__ltbl_weeklist_sep_tl
36   }

```

(End of definition for \weeklist, \l__ltbl_weeklist_format_tl, and \l__ltbl_weeklist_sep_tl. This function is documented on page 1.)

\timelist Set the time list on the left side of the timetable.

```

37 \NewDocumentCommand \timelist { 0{} m 0{} }
38 {
39   \keys_set:nn { litetable / timetable } { #1, #3 }
40   \__ltbl_timelist:n {#2}
41 }

```

Key-value definitions for the \timelist command.

```

\l__ltbl_timelist_numformat_tl
\l__ltbl_timelist_timeformat_tl
\l__ltbl_timelist_hidetime_bool
42 \keys_define:nn { litetable / timetable }
43 {
44   numformat .tl_set:N = \l__ltbl_timelist_numformat_tl,
45   numformat .initial:n = \ttfamily \bfseries,
46   timeformat .tl_set:N = \l__ltbl_timelist_timeformat_tl,
47   timeformat .initial:n = \ttfamily,
48   hidetime .bool_set:N = \l__ltbl_timelist_hidetime_bool,
49   hidetime .initial:n = false,
50   hidetime .default:n = true
51 }

```

(End of definition for \timelist and others. This function is documented on page 2.)

\l__ltbl_textwidth_dim **\l__ltbl_textheight_dim** Dimensions for the physical width and height of the timetable, controlled by \l__@@_scale_fp.

```

52 \dim_new:N \l__ltbl_textwidth_dim
53 \dim_new:N \l__ltbl_textheight_dim

```

(End of definition for \l__ltbl_textwidth_dim and \l__ltbl_textheight_dim)

litetable (env.) Create a blank timetable frame.

```

54 \NewDocumentEnvironment { litetable } { 0{} m 0{} }
55 {
56   \clearpage \thispagestyle{empty}
57   \group_begin:
58   \dim_gset:Nn \l__ltbl_textwidth_dim
59     { \fp_eval:n { \l__ltbl_scale_fp } \paperwidth }
60   \dim_gset:Nn \l__ltbl_textheight_dim
61     { \fp_eval:n { \l__ltbl_scale_fp } \paperheight }
62   \keys_set:nn { litetable / frame } { #1, #3 }
63   \tikzpicture [ remember=picture, overlay ]
64     \__ltbl_maketable:n {#2}
65 } { \endtikzpicture \group_end: \clearpage }

```

Key-value definitions for the litetable command.

```

\l__ltbl_scale_fp
\l__ltbl_bg_color_tl
\l__ltbl_hline_type_tl
\l__ltbl_bg_sem_tl
66 \keys_define:nn { litetable / frame }
67 {
68   scale .fp_set:N = \l__ltbl_scale_fp,
69   scale .initial:n = 1.0,
70   color .tl_set:N = \l__ltbl_bg_color_tl,
71   color .initial:n = gray,
72   hline .tl_set:N = \l__ltbl_hline_type_tl,
73   hline .initial:n = solid,
74   sem .tl_set:N = \l__ltbl_bg_sem_tl,
75   unknown .code:n = \tl_if_novalue:nF {#1}
76     { \tl_set_eq:NN \l__ltbl_bg_color_tl \l_keys_key_tl }
77 }

```

(End of definition for `\l__ltbl_scale_fp` and others.)

\course Add course boxes on the current workday

```

78 \NewDocumentCommand \course { 0{} m 0{} m 0{} }
79 {
80   \group_begin:
81   \bool_lazy_any:nTF
82     {
83       {
84         \int_compare_p:nNn { \l__ltbl_weekday_int } >
85         { \clist_count:N \l__ltbl_week_clist }
86       }
87       { \int_compare_p:nNn {#2} > { \clist_count:N \l__ltbl_time_clist } }
88       { \int_compare_p:nNn {#4} > { \clist_count:N \l__ltbl_time_clist } }
89     } { \__ltbl_msg_warning:n { course } }
90     {
91       \keys_set:nn { litetable / course } { #1, #3, #5 }
92       \int_compare:nNnTF {#2} < {#4}
93         { \__ltbl_course_box_aux:nn {#2} {#4} }
94         { \__ltbl_course_box_aux:nn {#4} {#2} }
95     }
96   \group_end:
97 }

```

Key-value definitions for the `\course` command.

```

\l__ltbl_course_color_tl
\l__ltbl_course_subject_tl
\l__ltbl_course_lecture_tl
\l__ltbl_course_location_tl
\l__ltbl_course_comment_tl
98 \keys_define:nn { litetable / course }
99 {
100   color      .tl_set:N = \l__ltbl_course_color_tl,
101   color      .initial:n = black,
102   subject    .tl_set:N = \l__ltbl_course_subject_tl,
103   lecture    .tl_set:N = \l__ltbl_course_lecture_tl,
104   location   .tl_set:N = \l__ltbl_course_location_tl,
105   comment    .tl_set:N = \l__ltbl_course_comment_tl,
106   unknown    .code:n = \tl_if_novalue:nF {#1}
107   { \tl_set_eq:NN \l__ltbl_course_color_tl \l_keys_key_tl }
108 }

```

(End of definition for `\course` and others. This function is documented on page 2.)

\more Add a comment at the southwest corner of the timetable.

```

109 \NewDocumentCommand \more { m }
110 {
111   \node [ yshift = .5\l__ltbl_time_vunit_dim, left = 1ex,
112           darkgray, font = \small \bfseries
113         ] at (current~page.south~east) {#1};
114 }

```

(End of definition for `\more`. This function is documented on page 2.)

\newday Move the next course boxes right $\langle integral \ value \rangle$ working days.

```

115 \NewDocumentCommand \newday { 0{1} } { \int_add:Nn \l__ltbl_weekday_int {#1} }
116 \int_new:N \l__ltbl_weekday_int
117 \int_set:Nn \l__ltbl_weekday_int { 1 }

```

(End of definition for `\newday`. This function is documented on page 2.)

A.2 Internal Auxiliary

`\l__ltbl_week_ratio_clist` The ratios of every working days, the accumulation of the ratios of every working days, the sequence number of every working days, the horizontal width unit of the timetable.

```
\l__ltbl_week_accum_clist
  \l__ltbl_week_num_fp
  \l__ltbl_week_hunit_dim
118 \clist_new:N \l__ltbl_week_ratio_clist
119 \clist_new:N \l__ltbl_week_accum_clist
120 \fp_new:N \l__ltbl_week_num_fp
121 \dim_new:N \l__ltbl_week_hunit_dim
```

(End of definition for `\l__ltbl_week_ratio_clist` and others.)

`__ltbl_weeklist:n` Define the auxiliary command of `\weeklist`.

```
122 \cs_new_protected_nopar:Npn \__ltbl_weeklist:n #1
123 {
124   \clist_set:Nn \l__ltbl_week_clist {#1}
125   \exp_args:Nnf \clist_map_inline:Nn \l__ltbl_week_clist
126   {
127     \__ltbl_get_right:eN {##1} \l__ltbl_tmpb_tl
128     \clist_put_right:Ne \l__ltbl_week_ratio_clist { \l__ltbl_tmpb_tl }
129   }
130   \int_step_inline:nn { \clist_count:N \l__ltbl_week_clist }
131   {
132     \clist_clear:N \l__ltbl_week_accutmp_clist
133     \int_step_inline:nn {##1}
134     {
135       \clist_put_right:Ne \l__ltbl_week_accutmp_clist
136       { \clist_item:Nn \l__ltbl_week_ratio_clist {####1} }
137     }
138     \clist_put_right:Ne \l__ltbl_week_accum_clist
139     { \fp_eval:n { \clist_use:Nn \l__ltbl_week_accutmp_clist { + } } }
140   }
141   \fp_set:Nn \l__ltbl_week_num_fp
142   {
143     \clist_item:Nn \l__ltbl_week_accum_clist
144     { \clist_count:N \l__ltbl_week_clist }
145   }
146   \dim_set:Nn \l__ltbl_week_hunit_dim
147   { \fp_eval:n { 14/\l__ltbl_week_num_fp/15 } \paperwidth }
148 }
```

(End of definition for `__ltbl_weeklist:n`.)

`\l__ltbl_time_num_int` The sequence number of the time list, and the vertical gap between the start and end time.

```
\l__ltbl_time_vunit_dim
149 \int_new:N \l__ltbl_time_num_int
150 \dim_new:N \l__ltbl_time_vunit_dim
```

(End of definition for `\l__ltbl_time_num_int` and `\l__ltbl_time_vunit_dim`.)

`__ltbl_timelist:n` Define the auxiliary command of `\timelist`.

```
151 \cs_new_protected_nopar:Npn \__ltbl_timelist:n #1
152 {
153   \clist_set:Nn \l__ltbl_time_clist {#1}
154   \int_set:Nn \l__ltbl_time_num_int { \clist_count:N \l__ltbl_time_clist }
155   \dim_set:Nn \l__ltbl_time_vunit_dim
156   { \fp_eval:n { 1/(2\l__ltbl_time_num_int + 3.5) } \paperheight }
157 }
```

(End of definition for _ltbl_timelist:n.)

\l__ltbl_timelist_shift_dim Store the vertical shift of the sequence number of the time list.

158 \dim_new:N \l__ltbl_timelist_shift_dim

(End of definition for \l__ltbl_timelist_shift_dim.)

_ltbl_maketable:n Define the auxiliary command of the litetable environment.

159 \cs_new_protected_nopar:Npn _ltbl_maketable:n #1

160 {

161 \fill [\l__ltbl_bg_color_tl!5]

162 (current~page.north~west) rectangle +

163 (\paperwidth, -1.5\l__ltbl_time_vunit_dim)

164 node [midway, black, font = \huge \bfseries] {#1};

165 \tl_if_empty:NF \l__ltbl_bg_sem_tl

166 {

167 \node [shift = {(-.02\paperwidth, -.75\l__ltbl_time_vunit_dim)},

168 left, rectangle, fill = DarkBlue!10, text = DarkBlue!60,

169 inner~sep = 2ex, rounded~corners = 8pt, font = \large

170] at (current~page.north~east) { \l__ltbl_bg_sem_tl };

171 }

172 \int_step_inline:nnnn { 0 } { 2 } { \l__ltbl_time_num_int }

173 {

174 \filldraw [fill = \l__ltbl_bg_color_tl!5, thick,

175 draw = gray, \l__ltbl_hline_type_tl]

176 ([shift =

177 {(-.4pt, \fp_eval:n { -2 * ##1 - 2.5 } \l__ltbl_time_vunit_dim)}]

178 [current~page.north~west

179) rectangle + (\paperwidth + .8pt, -2\l__ltbl_time_vunit_dim);

180 }

181 \bool_if:NTF \l__ltbl_timelist_hidetime_bool

182 {

183 \dim_set:Nn \l__ltbl_timelist_shift_dim

184 { -1.5\l__ltbl_time_vunit_dim }

185 }

186 {

187 \dim_set:Nn \l__ltbl_timelist_shift_dim

188 { -\l__ltbl_time_vunit_dim }

189 }

190 \int_step_inline:nn { \l__ltbl_time_num_int }

191 {

192 \node [darkgray!80, shift =

193 {(

194 \paperwidth/30,

195 -2 * ##1 \l__ltbl_time_vunit_dim +

196 \l__ltbl_timelist_shift_dim

197)}, font = \large \l__ltbl_timelist_numformat_tl

198] at (current~page.north~west) {##1};

199 }

200 \bool_if:NF \l__ltbl_timelist_hidetime_bool

201 {

202 \int_step_inline:nn { \clist_count:N \l__ltbl_time_clist }

203 {

204 _ltbl_get_left:eN { \clist_item:Nn \l__ltbl_time_clist {##1} }

```

205         \l__ltbl_tmpa_tl
206         \__ltbl_get_right:eN { \clist_item:Nn \l__ltbl_time_clist {##1} }
207         \l__ltbl_tmpb_tl
208         \node [ gray, align = center, shift =
209             {(
210                 \paperwidth/30,
211                 \fp_eval:n { -1.85 - 2 * ##1 } \l__ltbl_time_vunit_dim
212             )}, font = \l__ltbl_timelist_timeformat_tl
213             ] at (current~page.north~west)
214             { \l__ltbl_tmpa_tl\ \l__ltbl_tmpb_tl };
215     }
216 }
217 \int_step_inline:nn { \clist_count:N \l__ltbl_week_clist }
218 {
219     \int_compare:nNnF {##1} = { \clist_count:N \l__ltbl_week_clist }
220     {
221         \node [ shift =
222             {(\fp_eval:n
223                 {
224                     14 * \clist_item:Nn \l__ltbl_week_accum_clist {##1}/
225                     \l__ltbl_week_num_fp/15 + 1/15
226                 } \paperwidth, -2\l__ltbl_time_vunit_dim
227             )}, darkgray, font = \ttfamily
228             ] at (current~page.north~west) { \l__ltbl_weeklist_sep_tl };
229     }
230     \__ltbl_get_left:eN { \clist_item:Nn \l__ltbl_week_clist {##1} }
231     \l__ltbl_tmpa_tl
232     \node [ shift =
233         {(\fp_eval:n
234             {
235                 14(
236                     \clist_item:Nn \l__ltbl_week_accum_clist {##1} -
237                     \clist_item:Nn \l__ltbl_week_ratio_clist {##1}/2
238                 )/\l__ltbl_week_num_fp/15 + 1/15
239             } \paperwidth, -2\l__ltbl_time_vunit_dim
240             )}, font = \large \l__ltbl_weeklist_format_tl
241             ] at (current~page.north~west) { \l__ltbl_tmpa_tl };
242     }
243 }

```

(End of definition for __ltbl_maketable:n.)

\l__ltbl_course_shift_dim Store the vertical shift of the course subject in course box.

```

244 \dim_new:N \l__ltbl_course_shift_dim

```

(End of definition for \l__ltbl_course_shift_dim.)

__ltbl_course_box_aux:nn Define the auxiliary command of \course.

```

245 \cs_new_protected_nopar:Npn \__ltbl_course_box_aux:nn #1#2
246 {
247     \begin{scope}
248     \clip [ preaction = { draw, ultra~thick, \l__ltbl_course_color_tl!60 },
249             preaction = { fill, \l__ltbl_course_color_tl!10 },
250             rounded~corners = 8pt ]
251     ([shift =

```

```

252 {(
253   \fp_eval:n
254   {
255     \clist_item:Nn \l__ltbl_week_accum_clist
256     { \l__ltbl_weekday_int } -
257     \clist_item:Nn \l__ltbl_week_ratio_clist
258     { \l__ltbl_weekday_int }
259     } \l__ltbl_week_hunit_dim + \paperwidth/15 + 1.2pt,
260     \fp_eval:n { -.5 - 2 * #1 } \l__ltbl_time_vunit_dim - 1.2pt
261   )][current~page.north~west) rectangle +
262   (
263     \clist_item:Nn \l__ltbl_week_ratio_clist
264     { \l__ltbl_weekday_int } \l__ltbl_week_hunit_dim - 2.4pt,
265     \fp_eval:n { 2(#1 - #2 - 1) } \l__ltbl_time_vunit_dim + 2.4pt
266   );
267 \fill [ \l__ltbl_course_color_tl!60 ]
268 ([shift =
269   {(
270     \fp_eval:n
271     {
272       \clist_item:Nn \l__ltbl_week_accum_clist
273       { \l__ltbl_weekday_int } -
274       \clist_item:Nn \l__ltbl_week_ratio_clist
275       { \l__ltbl_weekday_int }
276       } \l__ltbl_week_hunit_dim + \paperwidth/15,
277       \fp_eval:n { -.5 - 2 * #1 } \l__ltbl_time_vunit_dim
278     )][current~page.north~west) rectangle +
279     (
280       \clist_item:Nn \l__ltbl_week_ratio_clist
281       { \l__ltbl_weekday_int } \l__ltbl_week_hunit_dim,
282       -\l__ltbl_time_vunit_dim/2
283     );
284 \end{scope}
285 \int_compare:nNnTF {#1} = {#2}
286 {
287   \bool_lazy_and:nnTF
288   { \tl_if_empty_p:N \l__ltbl_course_location_tl }
289   { \tl_if_empty_p:N \l__ltbl_course_lecture_tl }
290   { \tl_set:Nn \l__ltbl_course_anchor_tl { } }
291   { \tl_set:Nn \l__ltbl_course_anchor_tl { above } }
292 \node
293 [ \l__ltbl_course_anchor_tl, \l__ltbl_course_color_tl!60, shift =
294   {(
295     \fp_eval:n
296     {
297       \clist_item:Nn \l__ltbl_week_accum_clist
298       { \l__ltbl_weekday_int } -
299       \clist_item:Nn \l__ltbl_week_ratio_clist
300       { \l__ltbl_weekday_int }/2
301       } \l__ltbl_week_hunit_dim + \paperwidth/15,
302       \fp_eval:n { -1.75 - #1 - #2 } \l__ltbl_time_vunit_dim
303     )}, align = center, font = \bfseries
304   ] at (current~page.north~west) { \l__ltbl_course_subject_tl };
305 \bool_lazy_or:nnTF

```

```

306 { \tl_if_empty_p:N \l__ltbl_course_location_tl }
307 { \tl_if_empty_p:N \l__ltbl_course_lecture_tl }
308 { \tl_set:Nn \l__ltbl_s@course_sep_tl { } }
309 { \tl_set:Nn \l__ltbl_s@course_sep_tl { ,~ } }
310 \node
311 [ shift =
312   {(
313     \fp_eval:n
314     {
315       \clist_item:Nn \l__ltbl_week_accum_clist
316       { \l__ltbl_weekday_int } -
317       \clist_item:Nn \l__ltbl_week_ratio_clist
318       { \l__ltbl_weekday_int }/2
319       } \l__ltbl_week_hunit_dim + \paperwidth/15,
320     \fp_eval:n { -1.75 - #1 - #2 } \l__ltbl_time_vunit_dim
321   )}, below, \l__ltbl_course_color_tl!60, align = center
322 ] at (current~page.north~west)
323 {
324   \l__ltbl_course_location_tl
325   \l__ltbl_s@course_sep_tl
326   \l__ltbl_course_lecture_tl
327 };
328 }
329 {
330   \bool_lazy_and:nnTF
331   { \tl_if_empty_p:N \l__ltbl_course_location_tl }
332   { \tl_if_empty_p:N \l__ltbl_course_lecture_tl }
333   {
334     \tl_set:Nn \l__ltbl_course_anchor_tl { }
335     \dim_set:Nn \l__ltbl_course_shift_dim { 0pt }
336   }
337   {
338     \tl_set:Nn \l__ltbl_course_anchor_tl { above }
339     \dim_set:Nn \l__ltbl_course_shift_dim { \l__ltbl_time_vunit_dim/8 }
340   }
341 \node
342 [ \l__ltbl_course_color_tl!60, align = center, shift =
343   {(
344     \fp_eval:n
345     {
346       \clist_item:Nn \l__ltbl_week_accum_clist
347       { \l__ltbl_weekday_int } -
348       \clist_item:Nn \l__ltbl_week_ratio_clist
349       { \l__ltbl_weekday_int }/2
350       } \l__ltbl_week_hunit_dim + \paperwidth/15,
351     \fp_eval:n { -1.5 - #1 - #2 } \l__ltbl_time_vunit_dim +
352     \l__ltbl_course_shift_dim
353   )}, font = \large \bfseries, \l__ltbl_course_anchor_tl
354 ] at (current~page.north~west) { \l__ltbl_course_subject_tl };
355 \bool_lazy_or:nnTF
356 { \tl_if_empty_p:N \l__ltbl_course_location_tl }
357 { \tl_if_empty_p:N \l__ltbl_course_lecture_tl }
358 { \tl_set:Nn \l__ltbl_course_sep_tl { } }
359 { \tl_set:Nn \l__ltbl_course_sep_tl { \ } }

```

```

360 \node
361 [ shift =
362 {(
363 \fp_eval:n
364 {
365 \clist_item:Nn \l__ltbl_week_accum_clist
366 { \l__ltbl_weekday_int } -
367 \clist_item:Nn \l__ltbl_week_ratio_clist
368 { \l__ltbl_weekday_int }/2
369 } \l__ltbl_week_hunit_dim + \paperwidth/15,
370 \fp_eval:n { -1.625 - #1 - #2 } \l__ltbl_time_vunit_dim
371 )}, below, \l__ltbl_course_color_tl!60, align = center
372 ] at (current~page.north~west)
373 {
374 \l__ltbl_course_location_tl
375 \l__ltbl_course_sep_tl
376 \l__ltbl_course_lecture_tl
377 };
378 \node
379 [ shift =
380 {(
381 \clist_item:Nn \l__ltbl_week_accum_clist
382 { \l__ltbl_weekday_int } \l__ltbl_week_hunit_dim +
383 \paperwidth/15,
384 \fp_eval:n { -2.5 - 2 * #2 } \l__ltbl_time_vunit_dim
385 )}, above~left, \l__ltbl_course_color_tl!60, outer~sep = .5ex
386 ] at (current~page.north~west) { \l__ltbl_course_comment_tl };
387 }
388 }

(End of definition for \__ltbl_course_box_aux:nn.)

389 \file_input_stop:
390 </package>

```

索引

意大利體的數字表示描述對應索引項的頁碼；帶下劃綫的數字表示定義對應索引項的代碼行號；羅馬字體的數字表示使用對應索引項的代碼行號.

C	M
\course <i>2</i>	\more <i>2</i>
E	N
environments:	\newday <i>2</i>
litetable <i>1</i>	T
L	\timelist <i>1, 2</i>
litetable (env.) <i>1</i>	W
	\weeklist <i>1</i>