

The litetable Package — Colorful Timetable^{*}

Mingyu Xia <myhsia@outlook.com>[†]

Released 2025-03-09 v3.3C

1 Introduction

The litetable package provides a colorful design of timetable, developed by expl3 based on tikz. It is compatible with T_EX Live 2019 or later distributions and supports various compilation methods, such as pdf_LT_EX, Xe_LT_EX, Ap_TE_X, Lua_TE_X, etc. Click to jump to the manual's [\[Chinese Version\]](#) [\[Cantonese Version\]](#).

2 Usage

To load this package, write the line

```
\usepackage{litetable}
```

`litetable (env)` The litetable environment can create a blank timetable frame, and it should be executed after commands `\timelist` and `\weeklist`.

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

The mandatory argument can set the title of the timetable, and the optional argument accepts the following keys

color = <string> can set the background color (Default: gray), this key's name could be omitted.

sem = <string> can set the semester information at the northeast corner of the page.

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

The mandatory argument accepts an array to set a list of working days and the width of each column at the top of the timetable. The optional argument accepts the following keys

format = <format commands> can set the font for the list of working days (Default: `\bfseries`).

sep = <dim> can set the separator of the list of working days (Default is empty).

```
\weeklist [ format = \bfseries \scshape, sep = \textbar ]  
{ Mon -> 1, Tue -> 1, Wed -> 1, Thu -> 1, Fri -> 1 }
```

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

[†]Lijun Guo developed an interface to read `<left> -> <right>` data structures, and make compatibility for lower versions of T_EX Live.

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

The mandatory argument accepts an array to set the time list on the left side of the timetable. The optional argument accepts the following keys

numformat = `<format commands>` can set the font for the sequence number of the time list (Default: `\ttfamily \bfseries`).

timefont = `<format commands>` can set the font for the time of the time list. (Default: `\ttfamily`).

hidetime = `<true|false>` hide the time in the time list and only retain the sequence number. The initial value is 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>`]

It's used to add course boxes on the current workday, and needs to be executed within the `litetable` environment. The two mandatory arguments can set the start and ends of the course respectively, the optional argument accepts the following keys

color = `<string>` can set the color of the course box (Default: teal), this key's name could be omitted.

subject = `<string>` can set the name of the course.

location = `<string>` can set the location of the course.

lecture = `<string>` can set the lecture of the course.

comment = `<string>` can add footnote to the course.

T_EXhackers note:

- If `<start>` = `<end>` (the height of the course box is 1 unit), then **location** and **lecture** will be outputted in the same line and **comment** will be hidden.
- The template will correct automatically if `<start>` and `<end>` were misplaced.
- If neither **location** nor **lecture** is assigned value, then **subject** will be outputted in the vertical center of the course box.
- Course boxes that exceed the range of the timetable won't display and it will return a warning. The input example refers to Appendix A.

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

It can move the next course boxes right `<integral value>` working days. The default value of the optional argument is 1.

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

It can add a comment at the southwest corner of the timetable.

A Working Example

```
\weeklist [ format = \bfseries \scshape, sep = \textbar ]
{
  \texttwemoji{1f312} Mon -> 1, \texttwemoji{1f525} Tue -> 1,
  \texttwemoji{1f30a} Wed -> 1, \texttwemoji{1f332} Thu -> 1,
  \texttwemoji{1fa99} Fri -> 1
}
\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} [ MidnightBlue, sem = SEM 7 ] { 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}
```

Index

The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

| C | | M | |
|------------------|---------|-----------|------------|
| \course | 2 | \more | 2 |
| E | | N | |
| environments: | | \newday | 2 |
| litetable | 1 | T | |
| | | \timelist | 1, 2 |
| L | | W | |
| litetable (env.) | 1 | \weeklist | 1 |

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