

The litetable Package — Colorful Timetable*

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

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