

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 supports various compilation methods, such as pdf_{La}TeX, Xe_{La}TeX, Ap_{La}TeX, Lua_{La}TeX, 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

scale = *<float>* can set the scale of the timetable (Default: 1.0).

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.

hline = *<string>* can set style of the horizontal lines (Default: solid).

```
\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.

```
\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>

[†]Lijun Guo developed an interface to parse *<left>* -> *<right>* data structures.

`\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`).

timeformat = *<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

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

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

\begin{document}

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

interface3

The \LaTeX Project

5

11:40
12:25

\TeX Live 2025

TikZ

PGF

Version 3.1.10

6

13:30
14:15

7

14:20
15:05

8

15:15
16:00

expl3

The \LaTeX Project

9

16:05
16:50

10

18:30
19:15

Keep on \TeX ing

Stanford University
Donald E. Knuth

11

19:20
20:05

12

20:10
20:55

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