

# The litetable Package — Colorful Timetable\*

Mingyu Xia <[myhsia@outlook.com](mailto:myhsia@outlook.com) | [xiamingyu@westlake.edu.cn](mailto:xiamingyu@westlake.edu.cn)><sup>†</sup>

Released 2025-07-16 v3.4B

## 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<sub>La</sub>TeX, Xe<sub>La</sub>TeX, Ap<sub>La</sub>TeX, Lua<sub>La</sub>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

**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, Tue -> 1, Wed -> 1, Thu -> 1, Fri -> 1 }
```

---

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

<sup>†</sup>Lijun Guo developed an interface to parse *<left>* -> *<right>* data structures, and make compatibility for lower versions of  $\text{\TeX}$  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<sub>E</sub>Xhackers 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]{article}

\usepackage{litetable, twemojis}
\usepackage[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

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  $\LaTeX$  Project

$\TeX$  Live 2025

**TikZ**

PGF

Version 3.1.10

**expl3**

The  $\LaTeX$  Project

**Keep on  $\TeX$ ing**

Stanford University

Donald E. Knuth

# 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.

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