

# The litetable Package — Colorful Timetable<sup>\*</sup>

Mingyu Xia <[myhsia@outlook.com](mailto:myhsia@outlook.com)><sup>†</sup>

Released 2025-03-26 v3.3F

## 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.

---

```
\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 }
```

---

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

<sup>†</sup>Lijun Guo developed an interface to read `<left> -> <right>` data structures, and make compatibility for lower versions of T<sub>E</sub>X 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, \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}

\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<sup>A</sup>T<sub>E</sub>X Project

T<sub>E</sub>X Live 2025

**TikZ**

PGF

Version 3.1.10

**expl3**

The L<sup>A</sup>T<sub>E</sub>X Project

**Keep on T<sub>E</sub>Xing**

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