

# litetable 宏包 — 多彩的课程表\*

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

Released 2025-05-24 v3.3J

## 1 介绍

litetable 宏包提供了一个多彩的课程表设计, 基于 tikz 由 expl3 开发. 支持 pdf $\TeX$ , Xe $\TeX$ , Ap $\TeX$  和 Lua $\TeX$  等多种编译方式. 点击跳转 [\[English\]](#) [\[繁体香港\]](#) 手册.

## 2 用户接口

要加载此宏包, 只需写下

```
\usepackage{litetable}
```

litetable(*env*) 环境 litetable 可生成空白课程表, 需在命令 \timelist 和 \weeklist 后执行

```
\begin{litetable} [⟨keys⟩] {⟨title⟩} [⟨keys⟩] ... \end{litetable}
```

强制参数用于设定课程表标题, 可选参数接受以下键

**color** = ⟨color⟩ 可设置课程表框架的背景色 (默认值: gray), 键名可省略.

**sem** = ⟨string⟩ 可设置页面右上角的学期信息.

**hline** = ⟨string⟩ 可设置水平线的样式 (默认值: solid) .

---

```
\weeklist \weeklist [⟨keys⟩] {⟨list⟩} [⟨keys⟩]
```

强制参数接收数组, 用于设置课程表顶部的工作日列表和列宽. 可选参数接受以下键

**format** = ⟨format commands⟩ 可设置工作日列表格式 (默认值: \bfseries) .

**sep** = ⟨string⟩ 可设置工作日列表的分隔符.

```
\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>郭李军开发了读取 ⟨left⟩ -> ⟨right⟩ 型数据结构的接口, 并为低版本  $\TeX$  Live 做兼容.

---

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

---

强制参数均接收数组，用于设置课程表的左侧的时间列表. 可选参数接受以下键

**numformat** = *<format>* 可设置时间列表的序号字体（默认值: `\ttfamily \bfseries`）.

**timefont** = *<format>* 可设置时间列表的时间字体（默认值: `\ttfamily`）.

**hidetime** = *<true|false>* 用于隐藏时间列表中的时间，只保留序号.（初始值: `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>*]

---

用于在当前工作日添加课程盒子，需在 `litetable` 环境中执行. 两个强制参数分别用于设置课程的开始和结束序号. 可选参数接收下列键

**color** = *<color>* 用于设置课程盒子的颜色（默认值: `teal`）. 键名可省略.

**subject** = *<string>* 用于设置课程名称.

**location** = *<string>* 用于设置课程地点.

**lecture** = *<string>* 用于设置授课教师.

**comment** = *<string>* 用于给课程添加脚注.

#### **T<sub>E</sub>Xhackers note:**

- 若 *<start>* = *<end>*（课程盒子的高度为 1），则 **location** 和 **lecture** 将输出在同一行，并且 **comment** 将隐藏.
- 即使误将 *<start>* 和 *<end>* 写反，模板也会自动纠正.
- 若 **location** 和 **lecture** 均未使用，则 **subject** 将输出在课程盒子的竖直方向中心.
- 超出课程表范围的课程盒子将不显示，并会返回警告. 输入用例见 [Appendix A](#).

---

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

---

使其后面添加的课程盒子后移 *<intergal value>* 个工作日. 可选参数的默认值为 1.

---

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

---

在课程表的右下角添加备注.

## A 工作示例

```
\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} [ 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 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