The litetable Class – Colorful Timetable*

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1 Introduction

The litetable class provides a colorful timetable design, developed by expl3 based on article and tikz. It is compatible with TeX Live 2019 or later distributions and supports compilation methods such as pdfLaTeX, XeLaTeX and LuaLaTeX, etc. Click to jump to the [Chinese Version] [Cantonese Version] of this manual.

2 Interface

`litetable` (*env.*) This environment can create a blank timetable frame, and it should execute after commands `\timelist` and `\weeklist`.

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

The mandatory argument can set the title of the course schedule, and the optional argument accepts the following keys

color = ⟨color⟩ can set the background color of the timetable, default to `gray`. The key's name can 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 course schedule. The optional argument accepts the following keys

format = ⟨format commands⟩ can set the font for the list of working days, default to `\bfseries\scshape`.

sep = ⟨string⟩ can set the separator of the list of working days, the 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 TeX Live.

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

The mandatory argument accepts an array to set the time list on the left side of the course schedule. The optional argument accepts the following keys

numformat = ⟨format⟩ can set the font for the sequence number of the time list, default to `\ttfamily \bfseries`.

timefont = ⟨format⟩ can set the font for the time of the time list, default to `\ttfamily`.

hidetime = ⟨true|false⟩ is used to 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 = ⟨color⟩ is used to set the color of the course box, default to `teal`. The key's name can be omitted.

subject = ⟨string⟩ is used to set the name of the course.

location = ⟨string⟩ is used to set the location of the course.

lecture = ⟨string⟩ is used to set the lecture of the course.

comment = ⟨string⟩ is used to add footnote to the course.

TEXhackers note:

- If ⟨*start*⟩ = ⟨*end*⟩, that is 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 one input ⟨*start*⟩ and ⟨*end*⟩ incorrectly.
- 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 course schedule 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 ⟨*intergal 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 course schedule.

A Working Example

```
\documentclass[svgnames]{litetable}

\usepackage{libertine, inconsolata, twemojis}
\usepackage[T1]{fontenc}

\begin{document}

\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
  }
\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
  }

\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				TikZ PGF Version 3.1.10	
4 10:50 11:35	interface3 The LaTeX Project TeX Live 2025				
5 11:40 12:25					
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 TeXing Stanford University Donald E. Knuth		
11 19:20 20:05					
12 20:10 20:55					

Programme Duration: 09 / 2021 – 07 / 2025