

The LiteTable Template

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Abstract

This is the document for LiteTable template, which provides a beautiful design of class schedule with colorful course blocks.

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*<https://github.com/xiamyphys/litetable>

1 Introduction

1.1 The purpose of this template

This template provides a beautiful design of class schedule with colorful course blocks.

If you meet bugs when using this template, or you have better suggestions or ideas, or you want to participate in the development of the template or other templates by me, welcome to contact via email xiamyphys@gmail.com.

Also, you can join my \LaTeX Template Discussion [QQ Group: 760570712](#) to communicate with me and get the insider preview edition of the template.

1.2 Packages required

This template is based on the template [standalone](#). And it requires [tikz](#) package to plot some graphics, [kvoptions](#) and [etoolbox](#) packages to provide global options, [expl3](#) package to support [timelist](#) array, [ctex](#) package to supports the Chinese, Simplified language and [fontawesome5](#) package to provides a set of beautiful icons.

I strongly suggest that you should use `cmd` to implement the commands to update all the packages to the latest version or switch to portable version instead.

```
tlmgr update --self
tlmgr update --all
```

If you are in some areas with awful Internet environment, you can choose proper mirror source or use other means¹. To learn more, please refer to [How do I update my TEX distribution?](#)

1.3 Loading [LiteTable](#) and its modes

Save the file `litetable.cls` to your project's root directory, and then create a `.tex` file, just input the command `\documentclass{litetable}` on the first line.

The template provides three modes, [date](#), [style](#) and [font](#). Just add the options of the modes you want separately in the square bracket of the command `\documentclass[options]{litetable}` in your `.tex` file.

¹Please comply with local network regulations.

2 Modes of LiteTable

```
\documentclass[options]{litetable}
```

2.1 The **date** mode

This mode has two options, **en** and **cn**, which can make the weekdays display in English or 大陆简体, and the default option is English.

2.2 The **style** mode

This mode has two options, **round** and **sharp**, which can make the course block's corners be round or sharp, and the default option is sharp.

2.3 The **font** mode

This mode has two options, **times** and **libertinus**, which can make the font to be “Times New Roman” or “Libertinus”, and the default option is “Times New Roman”.²

3 Commands of LiteTable

3.1 The **makeframe** command

```
\makeframe{Timetable -- Semester 5}
```

This command can create an empty class schedule with the title “Timetable – Semester 5”.

3.2 The **timelist** command

```
\timelist{  
  8:05,8:55,10:00,10:50,11:40,13:30,14:20,15:15,16:05,18:30,19:20,20:10;  
  8:50,9:40,10:45,11:35,12:25,14:15,15:05,16:00,16:50,19:15,20:05,20:55  
}
```

This command can add time to the left side of the timetable, and the first line of the content is the start time of the class while the second line of the content is the end time of the class, each time separates with comma (,), the first line and the second line separates with semicolon (;).

The timetable currently only supports 12 classes per day. In the future updates, customization of the number of courses per day will be supported.

²Please ensure that your computer has been already installed the font “Libertinus” when using this option.

3.3 The **course** command

```
\course{H5}{3}{5}{AQM}{Building 6 · 225}{Yuan Li \& Mengnan Chen}{Week 1 -- 18}
```

There are 7 variables in this command.

- The 1st one is the color of the class that you want, from “H1” to “H5”.
- The 2nd and 3rd ones is the starting number and ending number of the class.
- The 4th one is the name of the class.
- The 5th one is the address of the class.
- The 6th one is the name of the teacher(s).
- The last one is the start week and end week of the class.

3.4 The **newday** command

This command can switch the current weekday to the next day, then the course will move right one grid.

3.5 The **more** command

```
\more{ · School Start: 04 / 03 / 2024 · Summer Vacation: 05 / 07 / 2024}
```

This command can add remark at the end of the class schedule.

3.6 The **sticker** command

```
\sticker{favicon}
```

There will be a sticker on the southeast of the page after you add,otherwise it won't.

4 Version History

The design of this course schedule originated from the student course schedule web page³ of the HDUHelp in Hangzhou Dianzi University⁴. The layout is very beautiful and then I used L^AT_EX to imitate that style and made a class schedule template to share with everyone.

Version 1.0 was finished on 1 September, 2023 and released on **LaTeX Studio** (Xiaoshan, Hangzhou) and **Xiaohongshu**, where won the favor of many people.

Version 2.0a was finished developing on 1 November, 2023 and released on **LaTeX Studio** (Xiaoshan, Hangzhou) and **Xiaohongshu**. This version used `.cls` files to make the `main.tex` file more concise. Also, this version have added a global option to choose whether the corners of the “course Block” to be round or sharp. And this version support adds multiply class schedules in one `.tex` file.

Version 2.1a was finished developing on 5 November, 2023. Supports the `libertinus` font.

Version 2.2a was finished developing on 31 January, 2024. This Version fixed the bug of resolution exceeded, changed paper type to US letter and support custom course start time and end time.

01/09/2023 Update: Version 2.0a

- Supports the course block’s corners be round or sharp.
- Supports multiply class schedules in one `.tex` file.

05/11/2023 Update: Version 2.1a

- Supports the `libertinus` font.

31/01/2024 Update: Version 2.2a

- Fixed the bug of resolution exceeded.
- Changed paper type to US letter.
- Support custom course start time and end time.
- Support add sticker as you like at the southeast of the page.

³Only those studying at or graduated from Hangzhou Dianzi University can have the permission of access.

⁴https://en.wikipedia.org/wiki/Hangzhou_Dianzi_University

A Document Example

```
\documentclass[libertinus]{literate}
\begin{document}

\timelist{
8:05,8:55,10:00,10:50,11:40,13:30,14:20,15:15,16:05,18:30,19:20,20:10;
8:50,9:40,10:45,11:35,12:25,14:15,15:05,16:00,16:50,19:15,20:05,20:55}
\sticker{favicon}

\begin{tikzpicture}
\makeframe{Axia!\texttt{'}}\!s Timetable -- Semester 5)% make title & background
% Mon.
\course{H1}{1}{2}{Badminton}{Badminton Court}{Yongsheng Yu}{Week 1 -- 18}
\course{H7}{3}{5}{Lens Design Expt}{Building 6 · South 402}{Hao Ying}{Week 5 -- 15}
\newday % Tue.
\course{H9}{3}{5}{Marx's Principles}{Building 6·320}{Yang Wang}{Week 1 -- 18}
\course{H8}{6}{8}{Photoelectric Det}{Building 6·320}{Xuefeng Huang}{Week 1 -- 18}
\newday % Wed.
\course{H7}{3}{4}{Laster Tech}{Building 6·301}{Haidan Mao}{Week 1 -- 18}
\course{H9}{6}{7}{Empt 3 | Situ 5}{Bldg 6·301 | Situ 6·208}{Mjh | Qxr}{Week 5 -- 14}
\course{H5}{8}{9}{Computational Phys}{Building 6·215}{Wenjia Rao}{Week 1 -- 18}
\course{H1}{10}{11}{Essay Writing}{Building 6·416}{Yueqin Shi}{Week 1 -- 18}
\newday % Thu.
\course{H6}{1}{2}{Sensing System}{Building 6·110}{Benxiao Cai}{Week 1 -- 18}
\course{H5}{3}{5}{AQM}{Building 6·225}{Yuan Li \& Mengnan Chen}{Week 1 -- 18}
\course{H3}{6}{8}{Modern Phys Expt 2}{Building 6 · South}{Xiangxiang Chen}{Week 5 --
16}
\course{H8}{10}{12}{OE Info Expt 1}{Building 6 · South 302}{Yu Zhou}{Week 5 -- 15}
\newday % Fri.
\course{H7}{1}{2}{Lens Design}{Building 6·422}{Hao Ying}{Week 1 -- 18}
\course{H5}{3}{5}{Optoelectronics}{Building 6·202}{Ruixue Li \& Yuan Li}{Week 1 --
18}
\course{H8}{6}{7}{Innovative Practice 4}{Building 7·216B}{Qinglong Huang}{Week 5 --
16}
\course{H5}{8}{9}{Group Meeting}{Building 6 · Middle}{Yuan Li}{Week 1 -- 18}
\more{ · School Starts: 11 / 09 / 2023 · Winter Vacation: 26 / 01 / 2024 · Hangzhou
Asian Games: 23 / 09 / 2023 -- 08 / 10 / 2023}
\end{tikzpicture}
```

```

\begin{tikzpicture}
  \makeframe{Axia!\texttt{'}}\!s Timetable -- Semester 6}

  % Mon.
  \course{H5}{7}{8}{Introduction to Cond.}{Building 6-225}{Mn Chen}{Week 1 -- 16}

  \newday % Tue.
  \course{H1}{8}{9}{Group Theory}{Building 6-211}{Li Ge}{Week 1 -- 16}
  \course{H5}{10}{11}{Mesoscopic Physics}{Building 6-211}{Yuan Li \& Mn Chen}{Week 1
    -- 16}

  \newday % Wed.
  \course{H6}{1}{2}{Engineering Drawing}{Building 7-3012}{Hc Wang}{Week 1 -- 16}
  \course{H9}{8}{9}{Situation \& Policy 6}{Building 6-302}{Xr Qi}{Double Week 10 --
    16}
  \course{H9}{10}{11}{Operational Simu.}{Building 4-411 -- 413}{Li Zhang}{Week 1 -- 8}

  \newday % Thu.
  \course{H4}{1}{2}{Intercultural Comm.}{Building 3-422}{Cl Zuo}{Week 1 -- 16}
  \course{H2}{3}{4}{Radio Direction}{Athletic Field}{Ys Yu}{Week 1 -- 16}
  \course{H5}{6}{8}{Solid State Physics}{Building 6-408}{Kw Sun}{Week 1 -- 16}

  \newday % Fri.
  \course{H8}{1}{2}{OE. Display}{Building 7-3012}{Wt Su}{Week 1 -- 16}
  \course{H3}{6}{8}{Group Meeting}{Building 6-Middle}{Yuan Li}{Week 1 -- 16}

  \more{· School Start: 04 / 03 / 2024 · Summer Vacation: 05 / 07 / 2024}
\end{tikzpicture}
\end{document}

```

Axia's Timetable – Semester 5

	Monday	Tuesday	Wednesday	Thursday	Friday
1					
8:05					
8:50	Badminton				
	Badminton Court Yongsheng Yu				
2					
8:55					
9:40					
3					
10:00					
10:45			Laster Tech Building 6 · 301 Haidan Mao		
4					
10:50					
11:35	Lens Design Expt Building 6 · South 402 Hao Ying	Marx's Principles Building 6 · 320 Yang Wang		AQM Building 6 · 225 Yuan Li & Mengnan Chen	Optoelectronics Building 6 · 202 Ruixue Li & Yuan Li
5					
11:40					
12:25					
6					
13:30					
14:15					
7					
14:20					
15:05		Photoelectric Det Building 6 · 320 Xuefeng Huang	Empt 3 Situ 5 Bldg 6 · 301 Situ 6 · 208 Mjh Qxr	Modern Phys Expt 2 Building 6 · South Xiangxiang Chen	Innovative Practice 4 Building 7 · 216B Qinglong Huang
8					
15:15					
16:00					
9					
16:05					
16:50			Computational Phys Building 6 · 215 Wenjia Rao		Group Meeting Building 6 · Middle Yuan Li
10					
18:30					
19:15					
11					
19:20					
20:05			Essay Writing Building 6 · 416 Yueqin Shi	OE Info Expt 1 Building 6 · South 302 Yu Zhou	
12					
20:10					
20:55					

· School Starts: 11 / 09 / 2023 · Winter Vacation: 26 / 01 / 2024 · Hangzhou Asian Games: 23 / 09 / 2023 – 08 / 10 / 2023

Axia's Timetable – Semester 6

	Monday	Tuesday	Wednesday	Thursday	Friday
1					
8:05					
8:50					
2					
8:55					
9:40					
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					

· School Start: 04 / 03 / 2024 · Summer Vacation: 05 / 07 / 2024

