

The LiteTable Template

Xia Mingyu, Hangzhou Dianzi University¹

¹xiamyphys@gmail.com

2024/02/02 Version 2.3a*

Abstract

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

Contents

1	Introduction	2
1.1	The purpose of this template	2
1.2	Packages required	2
1.3	Loading LiteTable and its options	2
2	Global Options of LiteTable	3
2.1	The date option	3
2.2	The style option	3
2.3	The direction option	3
2.4	The font option	3
3	Commands of LiteTable	3
3.1	The makeframe command	3
3.2	The timelist command	3
3.3	The course command	4
3.4	The newday command	4
3.5	The more command	4
3.6	The sticker command	4
4	Version History	5
A	Document Example	6

*<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 (such as GFWz), 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 options

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 four options, `date`, `style`, `direction` and `font`. Just add the modes of the options you want separately in the square bracket of the command `\documentclass[options]{litetable}` in your `.tex` file.

¹Please comply with local network regulations.

2 Global Options of LiteTable

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

2.1 The **date** option

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

2.2 The **style** option

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

2.3 The **direction** option

This option has two modes, **portrait** and **landscape**, which can make the timetable displayed portrait or horizontally.

2.4 The **font** option

This option has two modes, **times** and **libertinus**, which can make the font to be “Times New Roman” or “Libertinus”, and the default mode 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 (;).

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

The timetable can automatically generate the corresponding number of rows based on the number of time groups you enter. For example, the code above has 12 groups of times, a 12-row timetable will be generated.

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 L^AT_EX 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 L^AT_EX 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.

Version 2.3a was finished developing on 2 February, 2024. This version supports automatically generate the corresponding number of rows based on the number of time groups you enter, and in this version, timetable can be displayed horizontally or portrait as you like.

2023/09/01 Update: Version 2.0a

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

2023/11/05 Update: Version 2.1a

- Supports the libertinus font.

2024/01/31 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.
- Provide simplified Chinese documentation.

2024/02/02 Update: Version 2.3a

- Supports automatically generate the corresponding number of rows based on the number of time groups you enter.
- Timetable can be displayed portrait or horizontally as you like.

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,en,sharp,landscape]{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
  % Mon.
  \course{H1}{1}{2}{Badminton}{Badminton Court}{Yongsheng Yu}{Week 1 -- 18}
  \course{H7}{3}{5}{Lens Design Experiment}{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}{OE Detection Technology}{Building 6·320}{Xuefeng Huang}{
    Week 1 -- 18}
  \newday % Wed.
  \course{H7}{3}{4}{Laster Principle}{Building 6·301}{Haidan Mao}{Week 1 -- 18}
  \course{H9}{6}{7}{Empl Guide 3 | Situ Policy 5}{Building 6·301 | Building 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}{Quantum Mechanics $\dagger$ }{Building 6·225}{Mengnan Chen
    \& Yuan Li}{Week 1 -- 18}
  \course{H3}{6}{8}{Modern Phys Experiment 2}{Building 6·South}{Xiangxiang Chen
    }{Week 5 -- 16}
  \course{H8}{10}{12}{OE Info Experiment}{Building 6·South 302}{Yu Zhou}{Week 5
    -- 15}
  \newday % Fri.
  \course{H7}{1}{2}{Optical 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}{C1 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 Week 1 – 18			Sensing System Building 6 · 110 Benxiao Cai Week 1 – 18	Optical Lens Design Building 6 · 422 Hao Ying Week 1 – 18
2 8:55 9:40					
3 10:00 10:45			Laster Principle Building 6 · 301 Haidan Mao Week 1 – 18	Quantum Mechanics† Building 6 · 225 Mengnan Chen & Yuan Li Week 1 – 18	
4 10:50 11:35	Lens Design Experiment Building 6 · South 402 Hao Ying Week 5 – 15	Marx's Principles Building 6 · 320 Yang Wang Week 1 – 18			Optoelectronics Building 6 · 202 Ruixue Li & Yuan Li Week 1 – 18
5 11:40 12:25					
6 13:30 14:15			Empl Guide 3 Situ Policy 5 Building 6 · 301 Building 6 · 208 MJH QXR Week 5 – 14	Modern Phys Experiment 2 Building 6 · South Xiangxiang Chen Week 5 – 16	Innovative Practice 4 Building 7 · 216B Qinglong Huang Week 5 – 16
7 14:20 15:05		OE Detection Technology Building 6 · 320 Xuefeng Huang Week 1 – 18			
8 15:15 16:00			Computational Phys Building 6 · 215 Wenjia Rao Week 1 – 18		Group Meeting Building 6 · Middle Yuan Li Week 1 – 18
9 16:05 16:50					
10 18:30 19:15			Essay Writing Building 6 · 416 Yueqin Shi Week 1 – 18	OE Info Experiment Building 6 · South 302 Yu Zhou Week 5 – 15	
11 19:20 20:05					
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			Engineering Drawing Building 7 · 3012 He Wang Week 1 – 16	Intercultural Comm. Building 3 · 422 Cl Zuo Week 1 – 16	OE. Display Building 7 · 3012 Wt Su Week 1 – 16
2 8:55 9:40					
3 10:00 10:45				Radio Direction Athletic Field Ys Yu Week 1 – 16	
4 10:50 11:35					
5 11:40 12:25					
6 13:30 14:15				Solid State Physics Building 6 · 408 Kw Sun Week 1 – 16	Group Meeting Building 6 · Middle Yuan Li Week 1 – 16
7 14:20 15:05	Introduction to Cond. Building 6 · 225 Mn Chen Week 1 – 16				
8 15:15 16:00		Group Theory Building 6 · 211 Li Ge Week 1 – 16	Situation & Policy 6 Building 6 · 302 Xr Qi Double Week 10 – 16		
9 16:05 16:50					
10 18:30 19:15		Mesoscopic Physics Building 6 · 211 Yuan Li & Mn Chen Week 1 – 16	Operational Simu. Building 4 · 411 – 413 Li Zhang Week 1 – 8		
11 19:20 20:05					
12 20:10 20:55					

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

Axia's Timetable – Semester 5

	☾ 星期一	🔥 星期二	☰ 星期三	🌲 星期四	☀️ 星期五	
1 8:05 8:50	羽毛球 羽毛球场 Yongsheng Yu Week 1 – 18			智能传感系统 第 6 教研楼北·110 Benxiao Cai Week 1 – 18	光学镜头设计 第 6 教研楼北·422 Hao Ying Week 1 – 18	
2 8:55 9:40						
3 10:00 10:45						
4 10:50 11:35	镜头设计实验 第 6 教研楼南·402 Hao Ying Week 5 – 15	马克思主义原理 第 6 教研楼北·320 Yang Wang Week 1 – 18	激光原理 第 6 教研楼中·301 Haidan Mao Week 1 – 18	高等量子力学 第 6 教研楼中·225 Mengnan Chen & Yuan Li	光电子学 第 6 教研楼北·202 Ruixue Li & Yuan Li	
5 11:40 12:25						
6 13:30 14:15						
7 14:20 15:05		光电检测技术 第 6 教研楼北·320 Xuefeng Huang Week 1 – 18	就业 3 形策 5 6 教中 301 6 教北 208 MJH QXR Week 5 – 14	近代物理实验 2 第 6 教研楼南 Xiangxiang Chen Week 5 – 16	光电创新实践 4 第 7 教研楼北·216B Qinglong Huang Week 5 – 16	
8 15:15 16:00						
9 16:05 16:50						
10 18:30 19:15			论文写作指导 第 6 教研楼北·416 Yueqin Shi Week 1 – 18	光电信息技术实验 第 6 教研楼南·302 Yu Zhou Week 5 – 15	研究生组会 第 6 教研楼中 Yuan Li Week 1 – 18	
11 19:20 20:05						
12 20:10 20:55						



Axia's Timetable – Semester 6

	☾ 星期一	🔥 星期二	☰ 星期三	🌲 星期四	☀️ 星期五
1 8:05 8:50			工程制图 第 7 教研楼中·3012 Hc Wang Week 1 – 16	跨文化交际 第 3 教研楼·422 Cl Zuo Week 1 – 16	光电显示技术 第 7 教研楼中·3012 Wt Su Week 1 – 16
2 8:55 9:40				无线电测向 田径场 Ys Yu Week 1 – 16	
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	凝聚态物理导论 第 6 教研楼中·225 Mn Chen Week 1 – 16			固体物理 第 6 教研楼北·408 Kw Sun Week 1 – 16	研究生组会 第 6 教研楼中 Yuan Li Week 1 – 16
8 15:15 16:00		群论 第 6 教研楼中·211 Li Ge Week 1 – 16	形势与政策 6 第 6 教研楼北·302 Xr Qi Double Week 10 – 16		
9 16:05 16:50					
10 18:30 19:15		介观物理 第 6 教研楼中·211 Yuan Li & Mn Chen Week 1 – 16	高级创业运营仿真 第 4 教研楼·411 – 413 Li Zhang Week 1 – 8		
11 19:20 20:05					
12 20:10 20:55					

