The LiteTable Template

Xia Mingyu, Hangzhou Dianzi University[1]

[1] xiamyphys@gmail.com

10/11/2023   Version 2.0b[*]

Abstract

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

Contents

---

[*] 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 opinions, 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 means[1]. 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 two modes, style and date. Just add the options of the modes you want separately in the square bracket of the command \documentclass[options]{litetable} in your .tex file.

2   Modes of **LiteTable**

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

2.1   The **round** & **sharp** modes

This mode can make the course block's corners be round or sharp, and the default opinion is sharp.

---

[1]Please comply with local network regulations.

2.2 The *times* & *libertinus* mode

This mode can make the font to be "Times New Roman" or "Libertinus", and the default opinion is "Libertinus".[2]

3 Environment and 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 course command

```
\course{H5}{4}{3}{5}{AQM}{Building 6·225}{Yuan Li \& Mengnan Chen}{Week 1 -- 18}
```

There are 8 variables in this command.

- The 1st one is the color of the class that you want, from "H1" to "H5".

- The 2nd one is the workday of the class.

- The 3rd and 4th ones is the starting number and ending number of the class.

- The 5th one is the name of the class.

- The 6th one is the address of the class.

- The 7th one is the name of the teacher(s).

- The last one is the start week and end week of the class.

3.3 The more command

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

---

[2]Please ensure that your computer has been already installed the font "Libertinus" when using this opinion.

4 Version History

I am a college student studying at Hangzhou Dianzi University[3] in China. An official club named HDUHelp in my school has created a web page schedule[4]. Every students and teachers can view their own class schedule on it. The layout is very beautiful and then I used LaTeX 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.

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.

---

[3]https://en.wikipedia.org/wiki/Hangzhou_Dianzi_University
[4]Only those studying at or graduated from Hangzhou Dianzi University can have the permission of access.

A   Document Example

```
\documentclass[libertinus]{litetable}
\begin{document}
\begin{tikzpicture}[scale=0.05]
    \makeframe{Timetable -- Semester 5}% make title & background
    % Mon.
    \course{H1}{1}{1}{2}{Badminton}{Badminton Court}{Yongsheng Yu}{Week 1 -- 18}
    \course{H7}{1}{3}{5}{Lens Design Expt}{Building 6·South 402}{Hao Ying}{Week 5 -- 15}
    % Tue.
    \course{H9}{2}{3}{5}{Marx's Principles}{Building 6·320}{Yang Wang}{Week 1 -- 18}
    \course{H8}{2}{6}{8}{Photoelectric Det}{Building 6·320}{Xuefeng Huang}{Week 1 -- 18}
    % Wed.
    \course{H7}{3}{3}{4}{Laster Tech}{Building 6·301}{Haidan Mao}{Week 1 -- 18}
    \course{H9}{3}{6}{7}{Empt 3 | Situ 5}{Bldg 6·301 | Situ 6·208}{Mjh | Qxr}{Week 5 --
        14}
    \course{H5}{3}{8}{9}{Computational Phys}{Building 6·215}{Wenjia Rao}{Week 1 -- 18}
    \course{H1}{3}{10}{11}{Essay Writing}{Building 6·416}{Yueqin Shi}{Week 1 -- 18}
    % Thu.
    \course{H6}{4}{1}{2}{Sensing System}{Building 6·110}{Benxiao Cai}{Week 1 -- 18}
    \course{H5}{4}{3}{5}{AQM}{Building 6·225}{Yuan Li \& Mengnan Chen}{Week 1 -- 18}
    \course{H3}{4}{6}{8}{Modern Phys Expt 2}{Building 6·South}{Xiangxiang Chen}{Week 5
        -- 16}
    \course{H8}{4}{10}{12}{OE Info Expt 1}{Building 6·South 302}{Yu Zhou}{Week 5 -- 15}
    % Fri.
    \course{H7}{5}{1}{2}{Lens Design}{Building 6·422}{Hao Ying}{Week 1 -- 18}
    \course{H5}{5}{3}{5}{Optoelectronics}{Building 6·202}{Ruixue Li \& Yuan Li}{Week 1
        -- 18}
    \course{H8}{5}{6}{7}{Innovative Practice 4}{Building 7·216B}{Qinglong Huang}{Week 5
        -- 16}
    \course{H5}{5}{8}{9}{Group Meeting}{Building 6·Middle}{Yuan Li}{Week 1 -- 18}
    \more{\textbf{·School Starts}: 11/09/2023 \textbf{·Winter Vacation}: 26/01/2024
        \textbf{·Hangzhou Asian Games}: 23/09/2023 -- 08/10/2023}
\end{tikzpicture}

\begin{tikzpicture}[scale=0.05]
    \makeframe{Timetable -- Semester 6}% make title & background
\end{tikzpicture}
\end{document}
```

Timetable – Semester 6

Timetable – Semester 5

#	Time			
1	8:05 / 8:50	Badminton — Badminton Court · Yongsheng Yu (Week 1 – 18)		
2	8:55 / 9:40	Sensing System — Building 6 · 110 · Benxiao Cai (Week 1 – 18)	Lens Design — Building 6 · 422 · Hao Ying (Week 1 – 18)	
3	10:00 / 10:45	Marx's Principles — Building 6 · 320 · Yang Wang (Week 1 – 18)	Laser Tech — Building 6 · 301 · Haidan Mao (Week 1 – 18)	Lens Design Expt — Building 6 · South 402 · Hao Ying (Week 5 – 15)
4	10:50 / 11:35		AQM — Building 6 · 225 · Yuan Li & Mengnan Chen (Week 1 – 18)	Optoelectronics — Building 6 · 202 · Ruixue Li & Yuan Li (Week 1 – 18)
5	11:40 / 12:25			
6	13:30 / 14:15	Photoelectric Det — Building 6 · 320 · Xuefeng Huang (Week 1 – 18)	Empt 3	Situ 5 — Bldg 6 · 301	Situ 6 · 208 · Mjh	Qxr (Week 5 – 14)	Modern Phys Expt 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			
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 Expt 1 — 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 – 08/10/2023 · Hangzhou Asian Games: 23/09/2023 – 08/10/2023