The semesterplanner-Package

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Abstract

This package encapsules several useful environments for a printable semester plan. It includes a timetable (which is using the schedule-Package) as well as appointments, deadlines and exams.

While creating my own plan I thought that it could come handy for somebody else, so I extracted the code into a LATEX-package.

This package requires color, tikz, schedule and fontawesome.

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1 Environments

1.1 Timetable

1.1.1 Usage

With the timetable-environment you can create a timetable based on the schedule-package. Inside you use the following commands, each of which take the same range of arguments:

The syntax is as follows:

```
\lecture {Course name} {Lecturer} {Room} {Day} {Time} {Priority}
```

- Course name. The name of the course.
- Lecturer. The name of the lecturer.
- Room. The room, where the course takes place. As this package was created during a time, where courses were held online, you can also insert commands for online platforms. See → Online Platforms.
- Day. The day when the course takes place. Must be exactly M, T, W, Th, F.
- Time. The time when the course takes place. Must be exactly in the format hh:mm-hh:mm.
- Priority. The priority of the course. See \rightarrow Priority.

1.1.2 Change colors

If you want to change the colors of the panels, you can simply redefine them with \definecolor. The name of the color matches the name of the command of which you want to change the color. For example:

makes all panels of lectures black.

1.2 Legend

Inside the legend-environment you can use the \ttlegend-command to add a legend entry for your timetable. The syntax is as follows:

- Color. The color the legend entry belongs to.
- Description. Self-explaining.

1.3 Appointments

1.3.1 Usage

Inside the appointments-environment you can use the \appointment-command to add an appointment to the list. The syntax is as follows:

```
\appointment {Date} {Time} {Course} {Description} {Room/Platform} {Priority}
```

- Date, Time. When the appointment is scheduled. The two arguments do not need to follow a specific format.
- Course. The course the appointment belongs to.

- Description. A short description of the appointment
- Room/Platform. Where the appointment is scheduled. You can also insert an online-platform-command here (see → Online Platforms).
- Priority. The priority of the apponintment. See \rightarrow Priority.

Note that \appointment only works in the appropriate environment.

1.3.2 Arguments

This environment takes one optional arguemnt, namely the title of the "room"-column. If nothing is else set, it will be "Room".

1.4 Deadlines

This environment is similar to the appointment-environment. Inside, you can use the \deadline-command to add deadlines to the list.

1.5 Exams

This environment is similar to two above. Inside, you can use the \exam-command to add exams to the list.

- Date, Time, Course. As before.
- Type. The type of the exam. See \rightarrow Exam Types.

2 User Commands

Most of the following commands make use of the fontawesome-package.

2.1 Priority

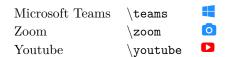
There are 5 different types of priority you can display with this package:

No priority	$\backslash \mathtt{pnone}$	8
Low priority	\plow	
Medium priority	$\operatorname{\pmid}$	
High priority	ϕgh	
Mandatory	$\protect\operatorname{\mathtt{ar{p}mandatory}}$	A

They are theoretically usable everywhere, but primarily intended for the usage in the appointments- and timetable-environments.

2.2 Online Platforms

At the moment there are 3 different types of online platform you can display with this package:



There will likely be more to be added. Alternatively you can write out the platform you wish.

2.3 Exam Types

At the moment there are 2 different types exam types you can display with this package:

2.4 Misc

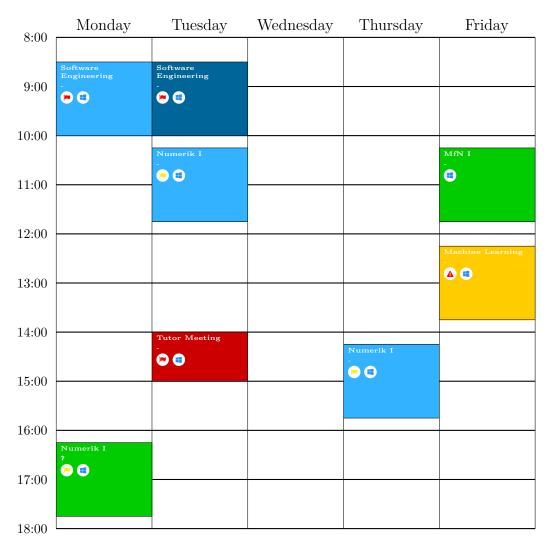
There are other little helpful commands you can use as you wish.

3 Examples

3.1 Timetable

```
\begin { timetable }
                   \{Software \setminus Engineering\} \{-\}
 \ lecture
                                                                  {\zoom}
                                                                                       \{08:30-10:00\}\ \{\phigh\}
                                                                               \{M\}
 \tutorial
                   {Numerik I}
                                                       \{\tbd\}
                                                                  \{ \setminus \text{teams} \}
                                                                               \{M\}
                                                                                       \{16:15-17:45\}\ \{\text{pmid}\}
 \officehour {Software \ Engineering}
                                                                  \{ \setminus zoom \}
                                                                               \{T\}
                                                                                       \{08:30-10:00\}\ \{\phigh\}
                   {Numerik I}
                                                                               {T}
                                                                                       \{10:15-11:45\}\ \{\text{pmid}\}
 \lecture
                                                                  \{ \setminus \text{teams} \}
                   {Tutor Meeting}
 \ meeting
                                                                  \{ \setminus \text{teams} \} \{ T \}
                                                                                       \{14:00-15:00\}\ \{\phigh\}
                   {Numerik I}
 \lecture
                                                                  \{\text{teams}\}\ \{\text{Th}\}\ \{14:15-15:45\}\ \{\text{pmid}\}
 \ tutorial
                   \{MfN \mid I\}
                                                                  \{ \setminus \text{teams} \} \{ F \}
                                                                                       \{10:15-11:45\}\ \{\}
                   {Machine Learning}
                                                                                       \{12:15-13:45\}\ \{\pmandatory\}
 \seminar
                                                                  \{ \setminus zoom \}
                                                                               {F}
\end{timetable}
```

② Timetable



3.2 Legend

```
\begin{legend}
\ttlegend {lecture}
                         {Lecture}
\ttlegend {tutorial}
                         {Tutorial}
 \ttlegend {meeting}
                         { Meeting }
\ttlegend {seminar}
                         {Seminar}
 \ttlegend {officehour} {Office Hour}
\end{legend}
                                       Lecture
```

Tutorial

Meeting

Seminar Office Hour

3.3 Appointments

```
\begin{appointments} [ Platf . ]
 \label{lem:conditional} $$ \left\{09.11.2020\right\} $$ \left\{10:15-11:45\right\} $$ \left\{Seminar\right\} $$ \left\{Kickoff-Meeting\right\} $$ \left\{\text{teams}\right\} $$
            {\pmandatory}
\end{appointments}
```

Appointments

Date	Time	Course	Description	Platf.	Prio.
09 11 2020	10.15 - 11.45	Seminar	Kickoff-Meeting		A

3.4 Deadlines

```
\begin{deadlines}
\deadline {01.01.2021} {Seminar} {Hand in write-up} {\phiph}
\end{deadlines}
```

lacksquare Deadlines

```
Description
Date
           Course
                                      Prio.
01.01.2021 Seminar
                    Hand in write-up
```

3.5 Exams

```
\begin {exams}
 \{04.03.2021\} \{09:00 - 12:00\} \{Analysis\ I\} \{\{written\}\}
 \{20.03.2021\} \{14:00 - 14:30\} \{ICL\}
\ensuremath{\ensuremath{\mathsf{end}}}
```

☐ Exams

Date	Time	\mathbf{Course}	Type
04.03.2021	09:00 - 12:00	Analysis I	
20 03 2021	14.00 - 14.30	ICL	