

yLectureNote

Yves Zumbach

1 Class Options

- french change the document settings to be in French (it is by default in English)
- german change the document settings to be in German
- printSerie prints the Serie number in the footer if you used the `\nextSerie` command

2 Layout

Page without margin paragraph are created using `\nomarginparpage`. You restore margin paragraph with `\marginparpage`.

3 Title Page

Use following commands in the preamble to define the title page's content : `\title{<class title>} \date{<semester and year>} (\author{<student>}) (\professor{<professor>}) (\yLanguage{<language>})`. The commands in parenthesis are not mandatory.

Inside the document body, issue `\titleOne[<additional rubber content>]`.

4 Table of Content

`\yTableOfContent[<additional content before new page>]`. One could put an author-Block in the additional content.

`\printMarginPartialToc` prints a chapter partial table of content in the margin.

5 Margin Elements

`\sideNote{<content>}` should be used whenever possible. It adds a note number. You can use `\sideTitle{<title>}` inside.

Inside floats or buggy environments : `\forcedSideNote{}`. It appears at the exact same height it is declared without checking if it overlaps with other sideNotes.

`\marginElement{<content>}` is a simple margin par with no numbers.

6 Theorem, axiom, etc.

```
\begin{theorem}[<title>]
    <theorem>
\end{theorem}
```

Following environments are also defined with the same set of arguments : lemma, corollary, definition, axiom, proposition.

7 InfoBulles

```
\infoInfo{<Title>}{<Text>}
```

With the exact same arguments : `\tipsInfo`, `\warningInfo`, `\criticalInfo`, `\checkInfo`, `\questionInfo`.

8 Side InfoBulles

`\sideInfo[<title>]{content}`. With the same arguments : `\sideTips` `\sideCritical`

9 Class Date

```
\classDate{<day>}{<month>}{<year>}
```

10 Exercises Set

`\nextExerciseSet`. Use also this command to «activate» the first set and make L^AT_EX display the set number in the footer.

`\stopPrintingExerciseSet` `\printExerciseSet` to stop or reactivate printing of the set number.

11 Lists

In the margin par, use `sideDescription`, `sideItemize`, `sideEnumerate` instead of the normals.

12 Tables

Body tables :

```
(\blockmargin)
\begin{SCTable}[] [ht!]
\begin{tabu}{<cols>}
  \tableHeaderStyle
  first & line & of & the table\\
  other & lines & of & the & table\\
\end{tabu}
\caption{<caption text>}
\end{SCTable}
(\unblockmargin)
```

Side Tables : `\sideTable[<caption>]{\begin{tabu}...\end{tabu}}`

13 Figures

Side figures : `\sideFigure[<caption>]{\includegraphics{path.jpg}}`

14 Code Listings

```
\begin{CodeInfo}{<Title>[<caption>]}
  \begin{CodeInfoLst}[<language>]
    var test = "my Code"
  \end{CodeInfoLst}
\end{CodeInfo}
```

With `<language>` a string like : «Python», «C++», etc.

15 Full Width Elements

```
\begin{whole}...\end{whole}
```

16 End of Chapter Ornaments

```
\yOrnament
```

17 Author Block

```
\authorBlock{
  \authorName{<your name>}
  \authorAdressLineOne{<adress line
one>}
  \authorAdressLineTwo{<adress line
two>}
  \authorAdressLineThree{<adress
line three>}
  \authorPhone{<phone number>}
  \authorMail{<mail>}
  \authorWebsite{<website>}
}
```

18 Numbers typesetting

`\bigNumber{<number>}` Write the number in big in the text. For side numbers : `\sideNumber{<number>}{<text>}`

19 Metadata

```
\hypersetup{
  pdftitle={<Title>},
  pdfsubject={<Subject>},
  pdfauthor={<Your name>},
  pdfkeywords={<{<keyword 1>}<
keyword 2>}>},
}
```

20 Quotation

```
\blockQuote[<author>]{<text>} \sideQuote
[]{} \fullQuote[]{}%
```