

GSNS L^AT_EX course

T_EXniCie

8 September 2022

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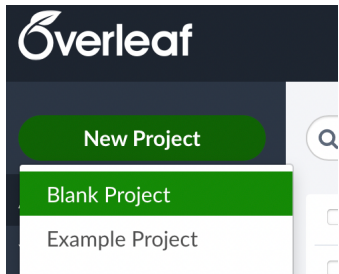
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Create

Simple document in \LaTeX

```
1 \documentclass{article}
```

```
2
```

```
3 }
```

```
4 \begin{document}
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9 \end{document}
```

preamble: document settings go here

body: content (text and images) goes here

Simple document in L^AT_EX

```
1 \documentclass{article}
2
3
4 \begin{document}
5
6 The Differential and Integral
7 Calculus, or, as it was formerly
8 called in this country,
9 the Doctrine of Fluxions, has always
10 been supposed to present remarkable
11 obstacles to the beginner.
12
13 \end{document}
```

} **body:** content (text and images)
goes here

Simple document in L^AT_EX

```
1 \documentclass[a4paper,11pt]{article}
2
3
4 \begin{document}
5
6 The Differential and Integral
7 Calculus, or, as it was formerly
8 called in this country,
9 the Doctrine of Fluxions, has always
10 been supposed to present remarkable
11 obstacles to the beginner.
12
13 \end{document}
```



preamble: document
settings go here

LaTeX commands

LaTeX commands begin by a backslash, followed by letters or special characters. Commands may have **arguments** and **optional arguments**.

`\command`

or

`\command{argument}`

or

`\command[optional argument]{argument}`

LaTeX commands

Some commands go in the **body** of the document

- ▶ The command `\LaTeX` prints the latex logo and goes in the **body** of the document.
- ▶ `\newpage` starts a new page and is also goes in the **body** of the document.
- ▶ `\textbf{text}` is a command for **bold** text. The command takes 1 argument.
- ▶ `\sqrt[3]{y}` the square root command takes 1 argument and 1 optional argument

LaTeX commands

other commands go in the **preamble** of the document

- ▶ `\title` sets the title of the document.
- ▶ `\usepackage{PACKAGENAME}` loads LaTeX code someone else has written into your document
- ▶ `\usepackage[paper=a5paper, margin=2cm, landscape=true]{geometry}` loads the geometry package with 3 optional arguments

whitespace

paragraphs

sections

title and author

special characters

formatting text

math

math

more math

more math

closing remarks