A LaTeX Syllabus Template*

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Abstract

This Template should help to write a good syllabus/course description for your project. More information can be found here: `www.chronicle.com/article/how-to-create-a-syllabus/`. Overall, I would say that the course description should have a maximum length of two pages.

Course Description

Course descriptions should:

- Be student-centered, rather than teacher-centered or course-centered
- Use brief, outcomes-based, descriptive phrases that begin with an imperative or active verb (e.g., design, create, plan, analyze)
- Be clear, concise, and easy to understand ($<$ 80 words)
- Detail significant learning experiences and benefits students can expect
- Align with the outcomes identified in the rest of the course outline

Course descriptions should avoid:

- Obvious, redundant, or repetitive language (such as "this course will..." or "students should expect to...")
- Marketing language (such as "Concept X is a critical part of success in Industry Y" or "Course A will change the way you think about everything")

*Some comment

Prerequisites

Learning Objectives

Course Materials

About the Lecturer

1 LaTeXStuff

First we start with a little example of the article class, which is an important documentclass. But there would be other **documentclasses** like book see page 2, report and letter which are described in Section 1.1. Finally, Section 2 gives the conclusions.

1.1 Documentclasses

In LaTeX different *documentclasses* exist:

1. article
2. book
3. report
4. letter

article Article is ...

book The book class ...

report Report gives you ...

letter If you want to write a letter.

2 How to Include Literature

It is easy to include references to literature in LaTeX.

With the command `\nocite{*}` you can include all the references of a .lit-database. I do that here. However, usually you include only the literature that is mentioned in the text to your reference list. LaTeX will do most of the work for you. You just need to enter the requried informations about a book or an article in the .bib database.[1] And then you can cite it using `\citet{}`, see `https://gking.harvard.edu/files/natnotes2.pdf`. Here are some examples: Wickham and Grolemund (2016) is a good book. Other books are also good (see Lilja, 2016; Matloff, 2011).

[1] For building up a literature database I highly recommend **JabRef** which is an open-sourced, cross-platform citation and reference management software. It uses BibTeX as its native formats and is therefore typically used for LaTeX.

If you want to write using `Overleaf.com`, see `https://www.overleaf.com/learn/latex/Bibliography_management_in_LaTeX` for how to do bibliography management in LaTeX.

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