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LaTeX Basic Template (v0.1)

	This File		contains the essential files for a basic paper in LEX.			
	1. README.pdf					
	2. pr	eamble	tex			
	3. ro	ot.tex				
Co	onten	ts				
1		o to ᡌႃ႞		1		
				1		
	1.2	Genera	l Useful Commands	1		
2	The	Pream	ole	2		
	2.1	What's	a preamble?	2		
	2.2	Using	oreamble.tex	2		
	2.3	Packag	es and Commands Explained	2		
		2.3.1	geometry	2		
		2.3.2	parskip	2		
		2.3.3	indentfirst	2		
		2.3.4	fontspec	3		
		2.3.5		3		
		2.3.6	titlesec	3		
		2.3.7	outlines	3		
		2.3.8	Titling	4		
		2.3.9	todonotes	4		
1	Intr	o to ᡌᠮ	X			
1.		_	s this work?			
1. 1.			Useful Commands			
1.			•			
	• 111	sert Spa				
	<pre>- \vspace{1} and \hspace{1}</pre>					

* Inserts a vertical or horizontal space of length {l}.

* Two backslashes make a line break

- New line : \\

• Text Styles

- \textbf: bold
 \textit: italic
- Lengths
 - ex: x-height.
 - em: m-width
 - in, cm, pt: number in regular units
 - \baselineskip: Line height
 - * can be preceded by a number for a multiple / a negative
- Other Commands

2 The Preamble

2.1 What's a preamble?

The preamble to a LaTeX document consists of everything before \begindocument is called, and must begin with a \documentclass{} call. The default document class in this template is article, but you may change it as you wish.

2.2 Using preamble.tex

In this folder, there is a "preamble.tex" file that contains formatting and layout packages and settings. This bit of the README goes over what's in there:

2.3 Packages and Commands Explained

Packages: geometry, parskip, indentfirst, fontspec

2.3.1 geometry

geometry

The package geometry provides settings related to page layout and size. The default setting for this template is [margin = 1in], providing 1in margins all around.

Some useful package options to know are:

- left, right, top, bottom: These will set the margins individually. Use the same syntax as [margin = 1in], so [left = 1in]
- paperwidth, paperheight: Sets custom page size

2.3.2 parskip

The package parskip sets the paragraph indent size and skip size between paragraphs.

2.3.3 indentfirst

Indents the first paragraph of each section (MTFXdefault is to not indent that)

2.3.4 fontspec

The package fontspec is a powerful font engine for MEX. Do note that you need to compile using either XeLaTeX or LuaLaTeX for this to work; pdfLaTeX will crash.

The template sets "Charis SIL" as the default font, which is a nice serif font with support for the full IPA. Note that 11pt Charis is similar to 12pt Times New Roman. If you're running this on your computer (i.e., not Overleaf), you can sub this for any installed font on your system.

Some useful package options:

Some useful package commands:

2.3.5 fancyhdr

The package fancyhdr allows for custom headers and footers.

This template defines two styles: "ITitleRAuthorPage" and "rAuthorPage".

"ITitleRAuthorPage" has the title of the document (set by the command \title{} – if the title is too long, set a different one just for the header with \shorttitle{}), and the author's name (defaults to the name set by \author{}, but just the last name can be shown by also setting \authorlast{}) and page number on the right. "rAuthorPage" just has the author name and page number on the right.

The default page style for the template is provided by MEX: the "empty" style - this has no headers or footers. For just a page number in the footer, you can use the "plain" style. You can also choose a different page style for a particular page (good fot title page) by using θ

If you need to define your own style, you can just redo the code in the preamble to make a new one, and use \pagestyle{} to set that style.

2.3.6 titlesec

The package titlesec sets the formatting for section headers, called with the commands \section{}, \subsection{}. Each section is numbered. For an unnumbered section, use the starred variant of the command, as in \section*{}.

There is a commented out definition for a "part" heading level, if you wish to use that.

2.3.7 outlines

The outlines package defines an outline environment which can be used to create nested lists easily. To make an outline, use the following code:

\beginoutline \0 This makes a normal paragraph \1 Level 1 \2 Level 2 \3 Level $3 \ 4 \$ Level $4 \$

Which produces:

This makes a normal paragraph

1. Level 1

(a) Level 2

i. Level 3

A. Level 4

The template default is to use the enumerate environment, but you can change the list type to itemize. Alternatively, you can use \beginoutline[itemize] to make a single list bulleted. You can also do the opposite by makingitemize default and using [enumerate] for the individual list.

2.3.8 Titling

The section labeled "Titling" is used to define the style of the \maketitle command, and to define commands to set the author's last name, course name (line 2 of the header) and short document title.

One thing to notice is the commands \makeatletter and \makeatother. Each character in \makeato

2.3.9 todonotes

The package todonotes allows you to put notes into the margin of a document. I've set some defaults for the style of the notes, as well as defining four color options that can be called with \todo[purp]This is the note.

This is the note.

Notes by default will appear in the right margin, 15pts from the edge of the page. You can change that by adjusting the definition of \todowidth command. You can also use the "noline" option to not draw a line between the margin and the text, or the "inline" option to place the todonote on the page like this:

\todo[red, inline]This is an inline note.

This is an inline note.