December 28, 2022

1 University Scripting Workflow

I am going to create a semi-automated lecture and file organiser. \ \ This will be used to generate my file structure for each module, and generate a **master.tex** file that will include the two most recent lecture notes. \ \ Additionally, there will be an option to generate a complete pdf of all my lecture notes for one module. \ \ Finally, it will symlink the current or most recent module to the current course directory. \ \ Python and possibly shell script will be used for this process. \ \ I may need to use cron to schedule events.

1.1 Processes:

- Add lectures, any directories, compiled lectures, master.tex and preamble.tex to each module directory.
- Change output directory of compiled tex docs.
- Update each master.tex with the two most recent lecture notes.
- Option to compile master.tex with all the lecture notes.
- Update current module with the current module for ease of access - look into calendar API or use the day.
- Change working path based on date.
- Automatically symlink year long courses from semesters into year long directory.

1.2 TODO

- Add latex files to directories
- Exclude master.tex from year long directory
- Add preambles
- Add master.tex to lectures
- Automatically change master.tex files
- Option to compile big master.tex
- Change tex output directory
- Path.suffix may be useful for dealing with tex files
- incorporate tex functions incase i choose to use tex still

1.3 Alterations to the original spec

- I may take notes in markdown instead of latex
- Use github pages to host these markdown pages, in combination with jekyll
- Maybe do current module inside of lectures class
- And year long inside lectures class? Or as a module class function

2 Adding markdown notes to LaTeX doc ->

\usepackage{markdown} \begin{document} \markdownInput{lec1.md} \end{document}

- Then run this command: latexmk -cd -lualatex -silent path/master.tex