Math 131: Numerical Analysis
Spring 2024
Python/Jupyter Resources

1. Python Central: https://www.pythoncentral.io/ Includes Tips and Tricks and some handy "How Tos"

2. Jupyter Introduction from Real Python: https://realpython.com/jupyter-notebook-introduction/ Provides some of the essentials for getting started with Jupyter

3. Jupyter Home Page: https://jupyter.org/ Home pages for Jupyter project. The documentation tab is a good place to get started: https://docs.jupyter.org/en/latest/

4. A more in-depth discussion of python for computational science and engineering can be found at: https://southampton.ac.uk/~fangohr/training/python/pdfs/Python-for-Computational-Science-and-Engineering.pdf Even though it says it's a beginner's guide, it does come in at 167 pages, so this might not be the best place to start if you're new to programming.

5. There are many collections of interesting jupyter notebooks on the web. Here's one starting point: https://gist.github.com/yuanzhaoYZ/b84db082be5e42acb65765c68c22b858 that contains many examples of jupyter/python notebooks for various science and engineering applications.

If you have any others that you have found particularly useful or interesting please let us know.