MATLAB Assignments

Turn in each MATLAB assignment in the form of a published m-file or m-files with all the input, output, and graphics and comments. You can publish it as html or a pdf before printing it. Sometimes you may want to add some things by hand, e.g., labels for points on plots and comments about output when the input uses random numbers.

To create your m-file, click on **New Script**. This opens the MATLAB editor. Click **Save** then **Save As** then enter the name of your m-file. You can find directions for publishing MATLAB scripts and see a sample of an m-file and the resulting published file at

https://www.mathworks.com/help/matlab/matlab_prog/publishing-matlab-code.html.

You'll find useful tools for creating your m-file on the editor's **Publish** tab.

When you publish the file, MATLAB displays all the commands, output, and graphics in a web page — assuming there are no MATLAB errors. All of the output of a cell (also called a section) appears immediately after all of the input of the cell. This means you want to have lots of cells, so you — and the grader — can tell what output goes with what input.

Warning: If there is an error message, the published file will show that followed by the rest of your input but will **not** execute any of the remaining commands.

Here are some tips.

- Save your work often.

- Use lots of cells. This will make your work much more readable.

- Make sure any numerical results are in a digestible form.

- When it would be useful, convert an exact answer to a decimal using **double** (for example, to compare it with a decimal, or because it isn't a recognizable number).

- Before turning in your printout, read it over carefully. Make sure it makes sense and is in a form that will be easy for the grader to read. Make sure your comments and explanations have not been chopped off at the right.

- Don't forget to add anything you need to add by hand before turning in the printout.

  – Do you need to add comments about output which used random input?
  – Do you need to label anything on plots?

- Start early.

- Struggling with MATLAB code isn't the purpose. If you run into a problem ask me for help. If you do this in an email, be sure to attach your m-file.