

## Tutorial Notes

The materials in this directory comprise a set of lectures and labs that I gave in a one credit non-graded course in Matlab.

Each lecture is contained in a file entitled “MatlabLecturex.pdf”. This file is a transcript of what I talked about and what I typed during the lecture segment (I used a laptop and overhead display.) You can mimic the lecture by trying the commands yourself at the keyboard. The topics are:

1. A tour of Matlab.
2. Basic Matlab, numbers, matrices and objects.
3. Graphics in Matlab.
4. Scripts and functions.
5. Calculus and differential equations.
6. Differential equations and linear algebra.
7. Linear algebra.

Most of the lectures have a lab counterpart, where students followed the instructions given in the file at an individual workstation in the Math Computer Lab, while I walked around and tutored. These files are named “MatlabLabx.pdf.” Some of them have exercises that were assigned the students to work in their own time and turn into me.