# ECE 351, Lab 1

Logan Lee

September 5 2019

## 1 Part 1

When using Jupyter Notebook there a different cell types a markdown and a code. Also it uses the dollar sign to denote equations or uses the begin and end equation enviroment. You can use code listings to add code in-line or in blocks.

## 2 Part 2

Section 2 starts with describing how python allows for variables to just be defined as t=1. There is no need to define the variable as in C or C++. A few print statements are made to show the usefulness of pythons coding structure. It then describes how to make a squared in the code and also how to comment out a line. We then import the numpy package so we can use the functions in this package. We can use lists or numpy arrays to store data and access later. You can also call specific things from the package to use and call the package by a shortcut numpy as np. Next we used arange to make the data a little more clear. We can also index our lists. We can access a specific row or column using the :,x or x,: when calling an array. You can create complete arrays of just 1 or 0 using numpy package.

## 3 Part 3

In this section we are creating plots and graphing functions using the matplotlib.

## 4 Part 4

Here we will be using python to deal with complex numbers. We learn that python will warn you about complex numbers if you do not tell it your expecting complex numbers.

## 5 Part 5

In the next section a list of very helpful commands and what they do.

# 6 Questions

1. For which course are you most excited in your degree? Which course have you enjoyed the most so far?

I am most excited for microelectronics and signals 2. I have enjoyed all of my circuits classes. Working in a EMC test lab and being able to connect what we are learning to the real world is amazing.

2. Leave any feedback on the clarity of the purpose, deliverables, and tasks for this lab.

I do not have any feedback this all seems very straight forward.