**Week 1 Assignment**

1. Install Python
2. Install a text editor (recommended Sublime or Geany)
3. Install GitHub (sign up for an account and install Desktop App)
4. Install Slack (sign up for an account and install Desktop App)
5. Read chapters 1 and 2

**Week 2 Assignment**

There are no specific coding assignments for week 2. This is what you should have done before you arrive in class:

1. Clone the MCP-743 GitHub repo
2. Learn how to navigate your file system via command line using a terminal.
3. Run the “helloWorld.py” file in the gettingStarted directory in the MCP-743 repo from the terminal, and if you choose, from your text editor, if you are using an editor such as Geany or Sublime.
4. Read chapter 3 and 4

**Week 3 Assignment**

Upload the current state of your assignment after 12 noon on the day of class.

1. Complete the assignment “class3-assignment-1.py”
2. Complete the assignment “class3-assignment-2.py”

**Week 4 Assignment**

Upload the current state of your assignment after 12 noon on the day of class.

1. Complete the assignment “class4-assignment-1.py”
2. Complete the assignment “class4-assignment-2.py”

**Week 5 Assignment**

Upload the relevant portions of the assignment after 12 noon on the day of class.

Turn in your hand-written answers to the take-home test at the beginning of class.

Unlike the previous assignments, this assignment must be complete class time.

1. Send me a message on our Slack general channel using the Slack desktop App.
2. Complete the assignment “class5-assignment-1-<your name>.pdf”

Following this assignment, I will assess your take-home test, and the state of your assignments, and inform you whether you are currently passing or failing the class.

**Week 6 Assignment**

Review the book chapters and tutorials on functions and classes.

1. Convert your equations from the week 3 assignment to functions
2. Create a class for something. It would be nice if the class were science-related. The class should contain attributes and at least one class method (i.e. function). See my Cars class as an example.
3. Create three different instances of your class
4. Choose a data file related to your research that you would like to parse. This file will be the basis for your final coding project.

Also, Google the term “pythonpath” to learn about it prior to class.

**Week 7 Assignment**

Begin the process of parsing your data file for you final project.

**Week 8 Assignment**

Continue working on your final project.