

## 3. NOTES ON MATLAB

### 3.1 Opening MATLAB

- (a) To open MATLAB in the Lab using Windows 10, use the menu sequence  
**Start → Matlab R2019a**
- (b) Wait until the symbol “>>” appears in the **Command Window**. Then Matlab is fully functional.
- (c) To set the path to the Class Directory:
  - (1) The **Current Directory** window should read **T:\ese502\matlab**
  - (2) If not, click on the folder icon for **Browse for Folder** (to the left of the **Current Directory**). Then scroll down to **Course Data Directories (T:\ese502\matlab)**.
- (d) Notice that the **Workspace** is by default in the lower left corner of the screen. You can rearrange this placement (and can also include the useful “Command History” window) by opening **Layout** on the **Home** tab, and experimenting with different layouts.

### 3.2 Additional Helpful Hints

- (a) For additional information, in the main menu, click **Resources → Help → Documentation → MATLAB**. In the Table of Contents look at **MATLAB → Getting Started with MATLAB**.
- (b) To obtain a reasonable screen format for numbers, use the main menu sequence **Home → Preferences → Command Window**, and under **Text Display** set **Numerical Format** = “short g”.
- (c) To abort a long operation in midstream use **Ctrl + C**. It usually works.
- (d) If you do not want to display the result of a given command, be sure to add a semicolon (;) to the end of your command. *Example:* To make a vector of 100 random numbers, try typing

```
>> x = rand(100,1);
```

and then typing,

```
>> x = rand(100,1)
```

You will see the difference.