

## ME 345: Modeling and Simulation MATLAB ASSIGNMENTS

You will be asked to submit summary reports on the status of your Matlab programming work as shown below. Both days the assignments are due at the beginning of class. Below are brief descriptions of what is expected on those days:

### Friday February 10 (beginning of class):

- A **ONE page short, concise description** describing: a) what you did, b) how you did it (an overview of the program), c) what you will be working on over the next two week period, and d) what you are learning from the experience. In addition, you should submit...
- A half-page discussion of how you are demonstrating an ability to enhance your Matlab programming ability on your own – how are you demonstrating the ability to be a lifelong learner through your work on this Matlab assignment? (This should be included at the end of your writeup above and clearly marked “Enhancing My Ability to be a Lifelong Learner”)
- Attach as an Appendix to your concise report:
  - A copy of your Matlab code WITH COMMENT LINES so that I can follow your code! [Codes without sufficient comment lines will lose significant credit]
  - An example of the output from your code

### Friday February 24 (before midnight):

- A **two or (max) three page short, concise description** describing: a) what you did (since the last report), b) how you did it (an overview of the program), and c) the steps that you have taken to ensure that your code is working properly. In addition, you should submit...
- A half-page discussion of how you are demonstrating an ability to enhance your Matlab programming ability on your own – how are you demonstrating the ability to be a lifelong learner through your work on this Matlab assignment? (This should be included at the end of your writeup above and clearly marked “Enhancing My Ability to be a Lifelong Learner”; this may be similar to what you wrote above but should NOT be identical)
- Attach as an Appendix to your report:
  - A copy of your Matlab code WITH COMMENT LINES so that I can follow your code! [Codes without sufficient comment lines will lose significant credit]
  - Examples (most likely multiple) that highlight the functionality of your code
- The FINAL REPORT AND M-file MUST BE SUBMITTED VIA THE MOODLE COURSE SITE. The file **MUST** be named using the following format: `<lastname>_me345_mlab.m`. For example, `fisher_me345_mlab.m`.

Note that these reports are of a MUCH different nature than the reports for the three Case Studies that will be assigned later in the semester (and which each count for 20% of your grade). A much, much more detailed description of the problem, your work, your solution, and your analysis will be expected/required for the Case Studies.