

# Introduction to Mathematical Modeling

## Homework #1

Due Tuesday, Sept 5

For this homework do the entire “Mathematica for Math 3550” lab available at

[https://faculty.weber.edu/aghoreishi/Math3550\\_F23/Math3550\\_F23.asp](https://faculty.weber.edu/aghoreishi/Math3550_F23/Math3550_F23.asp)

and submit your electronic file. Attach your file to an email and send it to [aghoreishi@weber.edu](mailto:aghoreishi@weber.edu).

This lab is completely self explanatory. You may access the required software, called Mathematica, in the following three ways.

1. Get your own free copy at [https://www.weber.edu/software/mathematica\\_request.html](https://www.weber.edu/software/mathematica_request.html). Activate your copy of Mathematica through ”Activate through your organization (SSO)”. See Wolfram support page <https://support.wolfram.com/54713> for help. If you need a laptop/tablet, contact WSU Computing Services <https://www.weber.edu/ComputerLabs/laptopcheckout>.
2. Any campus computer lab, including Tracy Hall Computer Lab, TY 126, and Elizabeth Hall Computer Lab, EH 213.
3. Virtual Lab: For the Virtual Lab instructions, see <http://weber.edu/virtuallab>.

**Only the complete version of the lab will be accepted.** You can compare your work with the almost all correct output in pdf format.