

# Section 1

MANE 3351

## Subsection 1

### Lecture 1

# Classroom Management

## Agenda

- Discuss Syllabus
- Me Talk
- Lecture



## Subsection 2

### Resources

# Handouts

- Syllabus (pdf)
- Lecture 1 slides
- Lecture 1 Marked

# Assignments

- Get textbook





## Subsection 3

### Lecture 1 Content

# Goals for this course

- Improving programming skills
- Enhance mathematical skills to solve engineering problems
- Upgrade your technical presentation skills

# Programming Languages

- Python 3
  - Python will likely replace both C and Java within the next three to four years
- Various Python libraries
- Octave (open source version of Matlab)
- Jupyter Notebook
  - Why Jupyter is data scientists' computational notebook of choice
  - Jupyter Notebook Demonstration  
([github.com/douglastimmer/PublicStuff/StatisticsNotebooks](https://github.com/douglastimmer/PublicStuff/StatisticsNotebooks))
- All classroom examples will be provided to you

# Classroom Organization

- Lot of experimentation in this course (trial and error)
- Adjust lecture meeting time
- Discuss grading scheme
- I reserve the right to lecture during laboratory time
- Markdown is used for slides and handouts

# Textbook

- Open source (free)
- Get it immediately