

## **Syllabus for IE 300**

Introduction to probability and statistical modeling.

Prerequisite: MATH 241

Course textbook: Applied Statistics and Probability for Engineers, Montgomery and Runger, 6th edition (2014)

Recommended reading: Introduction to Probability Models by Sheldon Ross (available electronically at UIUC library)

Recommended reading: An Introduction to Statistical Learning by James, Witten, Hastie, and Tibshirani (available electronically at UIUC library)

Grading:

Homeworks (40 %)

Midterm (30 %), March 9, 2017

Final (30%)

Homework:

There will be 10-11 homeworks. The lowest homework grade will be dropped.

Homeworks are due within the first 10 minutes of lecture.

Late homeworks will only be accepted if an absence letter is provided from the Office of the Dean of Students.

All coding for homework assignments must be done in Python.