

# **IE241**

## **Engineering Statistics 1**

### **Instructor**

Jinkyoo Park

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Office hours: Tue/Th: 1:00-3:00 pm (other times are available by appointment by email)

### **Time/Location**

Time: Tue/Th from 4:00 – 5:30 pm

Location : (E2) Industrial Engineering & Management Bldg., #1501

### **Course TA**

TBD

### **Textbook**

Mathematical Statistics with Applications (7th Edition) by Wackerly et al.

### **Topics (tentative)**

1. Introduction
2. Probability
3. Discrete Random Variables
4. Continuous Random Variables
5. Multivariate Probability Distributions
6. Functions of Random Variables
7. Sampling Distributions and the CLT
8. Estimation
9. Properties of Point Estimators and Methods of Estimation
10. Hypothesis Testing

### **Evaluations(tentative)**

- Attendance (5%)
- Homework (15%)
- Midterm (40%)
- Final (40%)

