

ENGR 6910 Advanced Engineering Statistics

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Office hours: Saturday and Monday, 12:00-12:50 & 14:15-16:05
Tuesday, 14:15-16:05
Or any time by appointment

Lecture+ Tutorial: Sunday 16:05 to 19:05 (Ramadhan 14:25-16:45)

Lecture Room: CMT/C5

Course Outline

- Chapter 1: The role of statistics in Engineering
- Chapter 2: Probability
- Chapter 3: Discrete random variables and probability distributions
- Chapter 4: Continuous random variables and probability distributions
- Chapter 6: Random sampling and data description
- Chapter 7: Pints estimation of parameters
- Chapter 11: Simple linear regression and correlation
- Chapter 12: Multiple linear regression
- Chapter 13: Design and analysis of single-factor experiments: The analysis of variance.

Textbook:

Applied Statistics and Probability for Engineers (3rd Ed.)
By Montgomery and Runger

Evaluation:

Assignments (five)	20%
Two mid-term examinations (20 % each)	40%
One final examination	40%