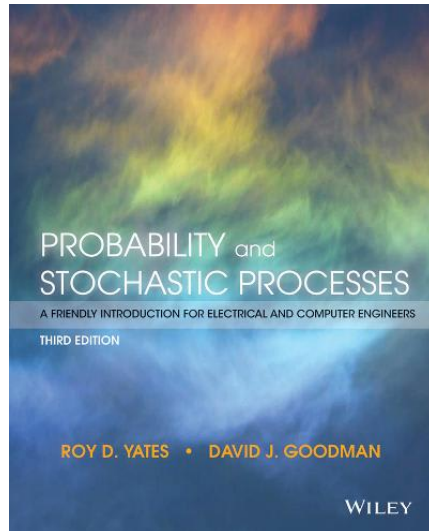


Probability & Statistics for Engineers



This course will introduce students to basic theoretical concepts and computational tools in probability and statistics with emphasis on their role in solving engineering problems.

This course will cover:

- **Introduction to probability:** probability space, random variables and random processes, distribution/density functions, and more!
- **Elements of statistics:** sample means, confidence intervals, hypothesis testing, and more!
- **Elements of stochastic processes:** autocorrelation functions, power spectral density, wide-sense stationary processes, and more!
- **Applications to engineering problems in circuits, data communication, computer networks, signal processing, reliability, and data-traffic models.**

COURSE INFO

Time:

Monday & Wednesday, 5:30pm – 6:45pm

Where:

Olin Engineering 125

Instruction:

In-Person

Prerequisites:

Math 4720, consent of instructor, or senior standing

Textbook:

Probability, Statistics and Stochastic Processes, A Friendly Introduction for Electrical & Computer Engineers, 3rd Edition, R.D. Yates and D. J. Goodman, Wiley, 2014

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