

**Department of Electrical and Computer Engineering
University of Massachusetts, Amherst**

**ECE 603: Probability and Random Processes
Fall 2012**

- Instructor:** **Hossein Pishro-Nik**
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- Office hours** Tuesday, 2:00-3:00pm.
- Course Website** <https://moodle.umass.edu>
Please check course website regularly for announcements, etc.
- TAs:** To be announced, check course website
- Catalog Data:** Elementary probability theory including random variables, p.d.f., c.d.f., generating functions, law of large numbers, Introduction to Statistics, Elementary stochastic process theory including covariance and power spectral density. Markov processes and applications. Prerequisite: E&C-Eng 314 or equivalent.
- Prerequisites:** An undergraduate-level course in probability (such as ECE 314)
- Textbook:** Probability and random processes by John A. Gubner.
ISBN: 978-0-521-86470-1
- Grades:** There will be around 6 or 7 quizzes. Your lowest grade will be eliminated. Homework assignments with solutions will be provided on the course website; you do NOT need to hand in the homework assignments. The final grade will be based on quizzes 90% and class participation 10%.