Course: ENPM 600 – Probability and Stochastic Processes for Engineers
Semester: Fall 2015
Day(s): M
Time: 7:00 to 9:40 PM
Location: JMP 2217 (DETS)
Instructor: Dr. Channasandra Ravishankar
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Course Description

Prerequisites: ENEE324; or students who have taken courses with comparable content may contact the department

Method of Communication with students outside classroom: e-mail, phone or in-person after or before class

Emergency protocol: e-mail

Course Schedule: Every Monday between 7:00 PM and 9:40 PM

Statement of Course Goals: Obtain strong fundamentals in probability theory and stochastic Processes. Become comfortable in dealing with multiple random variables and functions of multiple Random variables. Apply this knowledge to problems in estimation theory and communication systems.

Required/Recommended Textbooks

- Required? (Y/N) - Y

Course Outline

Axioms of Probability
Concept of a Random Variable
Density Functions, Conditional Probability
Functions of Random Variables
Characteristic Functions
Principles of Parameter Estimation
Introduction to Stochastic Processes
Stochastic Processes in Communication Systems

Code of Academic Integrity

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for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity of the Student Honor Council, please visit http://shc.umd.edu/SHC/HonorPledgeInformation.aspx.