

**Tennessee Technological University  
Mathematics Department**

**MATH 3670: Theory of Applications of Random Signals**

- I. COURSE DESCRIPTION FROM CATALOG:** Introduction to randomization, unconditional and conditional probability, independence, and concepts of random variables. Distributions and density functions, moments and moment generating functions, univariate and multivariate random variables, random process concepts, spectral characteristics of random processes and linear systems with random inputs. Lec. 2. Cr. 2.
  
- II. PREREQUISITE(S):**
  
- III. COURSE OBJECTIVE(S):**
  
- IV. TOPICS TO BE COVERED:**
  
- V. ADDITIONAL INFORMATION:**
  
- VI. POSSIBLE TEXTS AND REFERENCES:**
  
- VII. ANY TECHNOLOGY THAT MAY BE USED:**

Students with a disability requiring accommodations should contact the Office of Disability Services (ODS). 1  
An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The ODS is located in the Roaden University Center, Room 112; phone 372-6119.