

**THE UNIVERSITY OF TEXAS AT EL PASO**  
**COLLEGE OF SCIENCE**  
DEPARTMENT OF MATHEMATICAL SCIENCES

Course #: STAT 3330-28730  
Course Title: Probability  
Credit Hrs: 3  
Term: Spring 2017  
Course Meetings & Location: MW 12:00pm-1:20pm  
LART 103  
Prerequisite Courses: MATH 2313 or equivalent;  
Instructor: Francis Biney  
Office Location: Bell Hall 215  
Contact Info: 747-7004                      Phone #  
[fbiney@utep.edu](mailto:fbiney@utep.edu)                      E-mail address  
Office Hrs: MW 10am-11:30am or By appointment  
Textbook(s), Materials:                      Required:                      Sheldon Ross:  
A first course in probability  
8<sup>th</sup> Edition.  
  
Suggested:                      Millier & Miller, Freund'  
Mathemtical Statistics, 8<sup>th</sup>  
Edition.

Course Objectives (Learning Outcomes): Theory and applications of probability models in **actuarial** context. Sample space, combinatorics, conditional probability, random variables, discrete and continuous probability distributions, expectation, moment generating functions, law of large numbers and central limit theorem. Through assigned homework and in-class assignments, students will also acquire skills to identify real problems that require advanced mathematical and statistical knowledge.

Course Activities/Assignments: Class activities will include working out problems and class discussion. Homework will be assigned weekly. Quizzes will be given in class and unannounced after two to three sections, at the beginning of each class; if you are late there will be no makeup.

Assessment of Course Objectives: Your overall grade will consist of the weighted average of your scores on the exams, homework, quizzes and the final exam.

Grading Policy: 20% Homework/Quizzes  
25% Exam 1  
25% Exam 2  
30% Final Exam  
The usual grading scale will be used for this course (90%-100% is an A, 80%-89% is a B, etc.)

Make-up Policy: If class is missed for a valid and documented reason, the quizzes, homework assignments and exams may be made-up for full credit. Check your calendars now for potential conflicts with scheduled class assignments or exams. All other assignments should be turned in on time. No exam make ups, except in health emergencies and no late homework will be accepted.

Drop deadline The last day to drop the course without a "W" is Feb. 1st. The last day to drop the course with a "W" is March 30th. **Students will not be dropped by the instructor. Students who decide to drop the course must process a drop form, in person, at the Registrar's Office, by March 30th.**

Attendance Policy: You must attend class to turn in the in-class quizzes and weekly homework. Attendance is expected and accommodations will be made only if you are unable to attend class due to illness, family emergency or any other pressing issue.  
If you are absent, it is your responsibility to find out which assignments you need to make up and need to be submitted on time.

Academic Integrity Policy: Please see <http://academics.utep.edu/Default.aspx?tabid=23785>

Civility Statement: This is a class where participation is required. We work problems together as a class and in groups. Participation in the class work is required.

**Disability Statement:** If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

**Military Statement:** If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact me as soon as possible.