

MATH 3410
Principles of Probability and Statistics

Course Description: Summary and display of data; basic probability concepts; discrete distributions; continuous distributions; computer-aided probabilistic and statistical modeling of real problems; estimation; tests of statistical hypotheses.

Prerequisite: C or better in MATH 2320.

Textbook: Hogg, RV, Tanis, EA and Zimmerman, DL. *Probability and Statistics Inference*, 9th edition, Pearson.

Topic covered: In this course, we will cover Chapter 1 to Chapter 8

Homework: Homework will be assigned in the class and collected one week after the lecture. Please staple the pages of each assignment together and list your name on the first page.

Make-up Exams: Make-up exams will be given only in very exceptional situations. The student must convince the instructor that there is a very good reason for missing the exam.

Grading:

Homework	10%
Quizzes	10%
Test 1	25%
Test 2	25%
Final Exam	30%

A: 90—100 B: 80—89 C: 70—79 D: 60—69 F: <60

Exams: Two tests will be given in the lecture times along with the final exam. The test dates will be announced in the class at least two weeks in advance.

Attendance: Regular attendance in this course is required.

Academic Dishonesty: The academic community regards academic dishonesty as an extremely serious matter with serious consequences that range from probation to expulsion.