

MATH 429-28862
3 credit hours

Probability and Statistics II
T R 2:20 - 3:40

Spring 2007
TCCW 369

Prerequisite MATH 327 and MATH 329

Professor Dr. David K. Neal TCCW 315 745-6213 david.neal@wku.edu

Office Hrs MWF 11:15 – 12:30; TR 1:00 – 2:20; or by appointment.

Text *Probability and Statistical Inference*, Seventh Edition by Hogg and Tanis.

MATH 429 is a continuation of the study of probability and statistical inference and emphasizes both theory and applications. The course covers topics from Chapters 5 – 8 in the text including special distributions, confidence intervals, hypothesis tests, goodness of fit, analysis of variance, multivariate distributions, regression, and correlation. Supplemental computer projects also may be included.

In this course, you should strive for *perfection*. Although perfection is not attainable, in the pursuit of that goal you will achieve *excellence*. You should accept nothing less of yourself in any of your endeavors.

Grades will be dependent on class average and attendance as follows:

Homework: 40% **Two Tests:** 20% each **Final Exam:** 20%

- A – at least a 95% average and no more than two absences
- B – at least an 85% average and no more than two absences
- C – at least a 75% average and no more than two absences
- F – Below a 75% average, or three or more absences

Students having more than two absences will receive a reduction in letter grade, and those with excessive absences (more than three) will receive an F in the course.

Assignments: Homework problems will be assigned daily with some designated to be turned in for grade. Homework should be neat and well-written. Scratch work and rough drafts are *not* acceptable. Late homework will not be accepted under any circumstances.

Students are expected to do their own work on assignments that are to be turned in for grade. Plagiarism and allowing plagiarism are *not* allowed and will result in a grade of 0 on the assignment for all students involved in giving or receiving help. Multiple occurrences of such academic dishonesty will result in dismissal from the class.

Tests: Each test will be based on class lectures and assigned homework. Details of each test will be outlined several days in advance.

The tests are scheduled as follows:

Test 1: Thu Mar 1 **Test 2:** Thu Apr 19 **Final Exam:** Mon May 7 1:00 – 3:00

Make-Up Policy

Students are expected to take each test on the day that it is scheduled. Students will not be allowed to take tests early or late. No make-ups will be given and a missed test will result in a grade of 0 for that test.

Withdrawal Date

March 9, 2007 is the last day to withdraw from the course with a grade of W or to change enrollment from credit to audit.

Disability Services

Students with disabilities who require accommodations, academic adjustments, and/or auxiliary aids or services for this course must contact the Office for Student Disability Services in DUC A201. The OFSDS telephone number is 745-5004 (or 745 3030 TTY). Please do not request accommodations directly from the professor without a letter of accommodation from the Office for Student Disability Services.

Please feel free to see me if you ever need any other help with the class or if you'd like to discuss any other matter. Good luck in the course!