

MATH 429-001
3 credit hours

Probability and Statistics II
T R 12:30 - 1:45

Spring 2002
TCCW 305

Prerequisites: MATH 327 and MATH 329

Professor: Dr. David K. Neal TCCW 315 745-6213
david.neal@wku.edu <http://www.wku.edu/~neal/>

Office Hours: M, F: 9:00 – 10:00, 11:15 – 12:30; W: 11:15 - 1:10; T, R: 11:00–12:15;
other hours by appointment.

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

Equipment: The student should have a either a TI-83, TI-86, or TI-89.

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 multivariate distributions, point estimates, simple and composite hypothesis tests, analysis of variance, regression, and correlation. Supplemental computer projects may also be included.

Grades will be determined as follows:

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

A – 90% average **B** – 80% **C** – 70% **D** – 65% **F** – below 65%

Attendance Policy: Registration in the course obligates the student to be regular and punctual in class attendance. More than three absences will constitute failure in the course and will result in a final grade of F.

Assignments: Homework problems will be assigned daily with some designated to be turned in for grade. The homework generally will be due two class periods after it is assigned. Computer projects generally will be due two weeks after assignment. 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 for the assignment in question.

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: Thur Feb 21 **Test 2:** Thur Apr 11
Final Exam: Mon May 6 10:30 – 12:30

Students are expected to take each test on the day that it is scheduled. If a student cannot take an exam as scheduled, then the student is required to make a prior arrangement for a make-up. Failure to do so will result in a grade of 0 for the exam. There are absolutely no exceptions to this policy.

Students may re-schedule an exam only if they have a valid, documented reason for the absence. "Feeling sick" is not a valid reason unless the student requires hospitalization or immediate medical attention. In those cases, the student is required to have a doctor's written notification.

Disability Accommodation: Students with disabilities who require accommodations for this course (academic adjustments and/or auxiliary aids or services) must contact the Office for Student Disability Services, Room 445, Potter Hall. The OFSDS telephone number is (270) 745-5004 V/TDD.

Please do not request accommodations directly from the professor or instructor 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!