Prerequisite: MATH 116 or permission of instructor.

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

Office Hrs: MWF 10:20 – 11:30; TR 1:00 – 2:20; or by appointment.

Text: No text is required. Typed notes will be provided in pdf format and can be downloaded from: http://www.wku.edu/~david.neal/203/

Calculator: The TI-83/84 Plus is strongly recommended. Virtually all calculations will be done with the built-in TI-83/84 functions.

Students are not allowed to use their calculators to view stored “formula sheets” during tests. Doing so will result in a grade of 0 for the test, an F in the course, dismissal from the class, and documentation on your transcript.

Course Description: MATH 203 is an introduction to statistics and is intended primarily for students seeking middle grades certification in mathematics and for science students needing non-calculus based statistics. The course does not count as credit toward a mathematics major or minor; but it does satisfy General Education Requirement D-II.

The course emphasizes applications of statistical concepts. Topics include descriptive statistics; normal and binomial distributions; confidence intervals for means and proportions; hypothesis tests for means and proportions; two-way tables; chi-square tests; regression, correlation, and least squares; survey sampling.

Gen. Ed. Disclaimer: The General Education goal of this course is to provide students with the ability to understand and apply mathematical skills and concepts. After completing MATH 203, students will be able to use fundamental mathematical reasoning principles; use graphical, symbolic, and numeric methods to solve practical problems; and interpret information presented in tables or graphical displays.

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

Four Tests: 15% each    Project: 20%    Final Exam: 20%

A – at least a 90% average and no more than two absences
B – at least an 80% average and no more than two absences
C – at least a 70% average and no more than two absences
D – at least a 65% average and no more than two absences
F – Below a 65% average

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.

Updated, 8-14-06
Project

One special project is required and will be due towards the end of the semester. The project consists of statistical surveys that each student will conduct and analyze. Details will be given on a separate handout.

Tests

Each test will be based on class lectures and assigned homework. Tests may include a short answer section for which no calculator is allowed. Details of the tests will be outlined several days in advance.

The tests are tentatively scheduled as follows:

Test 1: Mon Sep 18   Test 2: Wed Oct 11   Test 3: Wed Nov 1   Test 4: Mon Nov 20

Final Exam: Tuesday Dec. 12, 1:00 – 3:00 PM.

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

October 17, 2006 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!

Updated, 8-14-06