Prerequisite  MATH 116 or permission of instructor.

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

Office Hours  MW  9:00 – 10:00, 12:15 – 1:15;  T R 11:00 – 12:30;
F  9:00 – 10:00;  or by appointment.

(Recommended only as a reference, but not required.)

Calculator  The TI-83+ is strongly recommended. Most calculations will be done
with the built-in TI-83 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 and
dismissal from the course.

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

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

(Grades of B+, C+, and D+ may be given in conjunction with the +/– Pilot Study.)
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 scheduled as follows:

**Test 1:** Wed Feb 2  **Test 2:** Fri Feb 25  **Test 3:** Fri Mar 18  **Test 4:** Fri Apr 15

**Final Exam:** Friday May 6  10:30 AM – 12:30 PM

Make-Up Policy

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.

Withdrawal Date

March 1, 2005 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, Room 101, Garrett Conference Center. The OFSDS telephone number is (270) 745-5004 V/TDD. 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!