MATH 203–001
3 credit hours

Statistics
M W F 10:10 – 11:00

Spring 2004
TCCW 309

Prerequisite  MATH 116 or permission of instructor.

Professor  Dr. David K. Neal  TCCW 315  745-6213
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Office Hours  MW 9:05 – 10:00, 1:30 – 2:30;  T R 12:30 – 2:30;
F  9:05 – 10:00;  or by appointment.


(Optional) – TI-83 Graphing Calculator Guide for David S. Moore’s The
Basic Practice of Statistics.

Calculator  The TI-83+ is strongly recommended.  Programs for this calculator can
be provided.

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; regression, correlation, and least squares; Normal
and Binomial distributions; confidence intervals for means and
proportions; hypothesis tests for means and proportions; test for
normality; two-way tables; survey sampling.

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

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

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

Students having more than four absences will receive a reduction in letter grade,
and those with excessive absences (more than six) may be dismissed
from the class with a failing grade.

The tests are scheduled as follows:

Test 1:  Wed Feb 4  Test 3:  Wed Mar 17
Test 2:  Wed Feb 25  Test 4:  Wed Apr 14

Final Exam: Tuesday May 4  10:30 AM – 12:30 PM
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. Details of the tests will be outlined several days in advance.

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.

Written University Attendance Policy

“Registration in a course obligates the student to be regular and punctual in class attendance.”

March 4, 2004 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!