MATH 429: Probability and Statistics II

Section 1
Spring 2009
Dr. Melanie Autin (pronounced Oh-tan)
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Office Hours: Mon/Wed/Fri 10:15 AM – 12:15 PM
or by appointment or capture

Class Meetings
MWF 1:50 PM to 2:45 PM in TCCW 377

Course Web Site
We will be using Blackboard® for the course homepage. Assignments, handouts, and announcements will be posted there (some announcements will also be sent to your WKU e-mail). Go to http://ecourses.wku.edu and log in (using your WKU e-mail username and password); then look for “Probab/Stat II” among your courses. Information about Blackboard® and other campus computing resources can be found at http://www.wku.edu/infotech.

Description
Prerequisite: MATH 327 and MATH 329. Multivariate probability distributions; sampling distributions, statistical inference; point and interval estimation, properties of estimators; hypothesis testing; regression and correlation; analysis of variance; non-parametric methods.

Textbook

Technology
Each student will need a calculator for use in class and for assignments. Cell phone calculators are not permitted for use on exams! Statistical computing packages may also be used.

Academic Dishonesty
“Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the coursework in which the act is detected or a failing grade in the course without possibility of withdrawal.” Although students may help each other on homework assignments, individual work is required on exams and projects.

Cell Phones
Cell phones should be turned off or set to silent during class. A cell phone ringing during class is considered disruptive behavior, and punitive action may be taken against students who fail to comply with this request. Cell phones should also remain closed during class. If you are seen using your phone during class (for text messaging or otherwise), you will be asked to leave for the remainder of the class period.

Attendance
Regular attendance is expected.

Student Disability Services
In compliance with university policy, 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 A-200 of the Student Success Center in Downing University Center. Please DO NOT request accommodations directly from the instructor without a letter of accommodation from the Office for Student Disability Services.

Important Dates
February 2: Last day to add/drop
March 9-13: Spring Break
March 20: Last day to withdraw

Graded Work
Exams (25% each) Two in-class exams will be given during the course of the semester. The exact dates will be announced in class and on Blackboard several days in advance of the affected exam. Make-up exams will be considered only in extreme (and excused) circumstances. See me before the exam if you feel that your situation merits a make-up.

Homework (25%) Homework will be assigned and collected regularly throughout the semester. Homework assignments will be posted on Blackboard and announced in class. It is your responsibility to print the assignment in adequate time to complete it before the due date. You may work with others, but each student is responsible for turning in a paper with sufficient work to support solutions. Papers should be neat and clear; scratch work and rough drafts will not be accepted. Grades on homework will be determined based upon correctness, but partial credit will be given. Late homework will not be accepted unless the situation merits, but no homework will be accepted after either the graded assignment has been returned or solutions have been posted. At most one late homework assignment will be accepted per student during the semester.

Final Exam (25%) A comprehensive final exam will be given on Friday, May 15 at 1:00 PM.

Grading Scale
90% - 100% A
80% - 89% B
70% - 79% C
60% - 69% D
0% - 59% F

General Statement
This class will contain material that builds on previous material covered, so DO NOT FALL BEHIND! If you miss a class, get the notes immediately. Understanding problems that I work in class and being able to work problems on your own are two completely different things. If you do not do the homework, you may find the exams very difficult. If you are having trouble with a topic covered, come see me as soon as problems arise (i.e., not the day before the exam). Office hours are for you, so do not hesitate to come see me (or make an appointment).