

ARKANSAS STATE UNIVERSITY
Stat 4473.001 – Data Analysis – Spring 2008
MW 2:00 – 3:15 pm CSM 209

INSTRUCTOR: Dr. Debra Ingram
OFFICE: CSM 115
OFFICE HOURS: MWR 9:30 – 10:30 am, MW 3:15 – 3:45 pm or by appointment
CAMPUS PHONE: 972-3090
E-MAIL: dingram@astate.edu
WEBSITE: <http://www.csm.astate.edu/~dingram>
PREREQUISITE: Stat 3233 (Applied Statistics) or equivalent

REQUIRED COURSE MATERIALS

Textbook: None.

Software: We will use MINITAB® statistical software for automating the calculations required for data analysis.

If you want to install MINITAB® on your personal computer, you might check the MINITAB® website, www.minitab.com. This website describes at least three inexpensive ways to acquire the professional version of MINITAB® for use on your home computer: (1) download a free 30-day MINITAB® demo, (2) rent MINITAB® for \$29.99 per semester from e-academy Inc. (Click on the “Minitab for Education” box, and then “Student Rental Options”), and (3) purchase MINITAB® at a reduced academic price

If you purchase MINITAB®, be sure you buy the professional version of MINITAB® 15. Do not purchase the student version since it does not have all the features you will need.

COURSE CONTENT

STAT 4473 is a second course in applied statistics covering the following topics: statistical inference for comparing population means and proportions; Type I and Type II errors, power and sample size analyses; analysis of variance (ANOVA) and multiple comparison procedures; nonparametric statistical procedures; inference for categorical data, frequency tables and related chi-square analyses, and inference for linear regression.

HOMEWORK AND EXAMS

Homework will be assigned every class meeting but will usually not be collected for a grade. As a tentative plan, there will be three equally-weighted exams. Test 1 will be an in-class written exam and Tests 2 and 3 will be take-home. Exam dates will be announced later (but you can plan on working on Test 3 during finals week).

Working with any other individual on a take-home exam is a form of academic dishonesty. Cheating and all other forms of academic dishonesty will not be tolerated. In addition to other possible disciplinary sanctions that may be imposed through the regular institutional procedures as a result of academic misconduct, instructors have the authority to assign an “F” to the graded work or to assign an “F” for the course.

LAST DAY TO DROP

Wednesday, April 16

STUDENTS WITH DISABILITIES

Students who require academic adjustments in the classroom due to a disability must first register with ASU Disability Services. Please contact the instructor to discuss appropriate academic accommodations. Arrangements can then be made to ensure equal access to this course.