

ARKANSAS STATE UNIVERSITY
STAT 3233.003 - Applied Statistics - Spring 2008
TR 9:30-10:45AM CSM 209

Instructor: Dr. Hong Zhou
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Office hours: TR10:50-11:50am,3:20-4:20pm,others by appointment

COURSE PREREQUISITE: Math 1023 (College Algebra) or equivalent

REQUIRED OR RECOMMENDED COURSE MATERIALS

- **Required Textbook:** Statistics : Informed Decisions Using Data, by Mickael Sullivan, III , 2nd edition, Pearson Prentice Hall,ISBN is 0-13-187149-8.
- **Calculator:** You will be issued a TI-83 (Texas Instruments) calculator for use during the Spring 2008 term. Bring the calculator to every class meeting. Failure to return the calculator at the end of the semester will result in a hold on your record. The student will supply their own batteries (four AAA) and will pay for replacing a lost or damaged calculator.

COURSE CONTENT

We will cover all or parts of Chapters 1-5,7-12. Topics include:

- Ch. 2-3: Graphical and numerical techniques for describing distributions of data
- Ch. 4: Relationships between two variables - scatterplots, correlation, and regression
- Ch. 5: Probability and Probability Distribution,
- Ch. 7: Normal distributions
- Ch. 2.1,12.2: Categorical variables and two-way tables
- Ch. 1: Sampling techniques, sample surveys, experiments
- Ch. 8: Sampling variability and sampling distributions
- Ch 9-11: Confidence intervals and hypothesis testing for population means,difference between two population means, paired differences, population proportions, and difference between two population proportions

HOMEWORK, QUIZZES, AND EXAMS

Homework will be assigned every class meeting but will usually not be collected for a grade. Graded work includes three quizzes and three equally-weighted exams. No tests will be given late unless arrangements are made beforehand, or in case a last-minute emergency arises.

Test and Quiz Schedule (subject to change):

Quiz 1:Tuesday,February 5,	due Thursday,February 7	Test 1:Thursday, February 14
Quiz 2:Tuesday, March 11,	due Thursday,March 13	Test 2:Thursday, March 27
Quiz 3:Thursday, April 17,	due Thursday, April 24	Test 3(Final):Monday, May 5, 8:00-10:00am

Last day to drop the class: Wednesday, April 16

GRADES

Grades are determined by the following factors. The grading scheme may be changed at any time during the semester.

Quizzes 15%(5% each)	Tests 1-3 85% (28.33% each)			
A 90-100%	B 80-89%	C 70-79%	D 60-69%	F below 60%

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.

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.