

UTD Math Sciences Division
Statistics 1342-001 Statistical Decision Making
Spring 2006

Instructor: Flo Marks (972 235-1305) Can call up to 10:30 p.m.
Email: ffmarks@aol.com (Do not send email to UTD.)
Office hours: Immediately after class
Help is available in the Math Lab in MC2.408

Pre-requisite: College Algebra

This course will give students a working knowledge of the ideas and tools of practical statistics.

Textbook: The Basic Practice of Statistics (third edition), David S. Moore
Study Guide for Moore's The Basic Practice of Statistics is optional, but recommended.

Calculator: Students will need a **"two-variable statistics"** calculator with functions for means, standard deviations, correlations and Least Square regression. **NO GRAPHIC CALCULATORS WILL BE ALLOWED.** (The use of the TI-30X IIS or TI-30X IIB will be covered in class.)

Class participation: Books, calculators, and scratch paper should be brought to each class period. Students will be working problems in class.

Homework: Homework (reading and problems) will be assigned each class from the book, but will not be turned in for a grade. If you miss a class, you can email me for the missed assignment.

Grading Policy: Your final class average will be determined based on the following weighting:

Hourly Exams (two best out of three)	60%
Final Exam (comprehensive)	40%

There will be no make-ups.

Grading Scale:

A+ [97 – 102]	A [93 – 97)	A- [90 – 93)
B+ [87 - 90)	B [83 – 87)	B- [80 – 83)
C+ [77 - 80)	C [73 – 77)	C- [70 – 73)
D+ [67 - 70)	D [63 – 67)	D- [60 – 63)
F below 60		

Course Content

Part 1: Exploring Data

Exploring Data: Variables and Distributions - chapter 1, chapter 2, chapter 3

Exploring Data: Relationships – chapter 4, chapter 5

Part 2: From Exploration to Inference

Producing Data – chapter 7, chapter 8 (vocabulary)

Probability and Sampling Distributions – chapter 9, chapter 10

Introducing Inference – chapter 13, chapter 14, chapter 15

Part 3: Inference and Variables

Quantitative Response Variable – chapter 16, chapter 17

Categorical Response Variable – chapter 18 (if time permits)

Note: sections of a chapter labeled as optional (those with an *) will not be covered.

School Holidays:

January 16 (Martin Luther King Day)

March 6 - 10 (Spring Break)

Drop/Withdraw Deadlines

Last Day to drop a class without a “W” Wednesday, January 25

Withdraw period with a “W” Thursday, January 26 – Friday, February 10

“WP or WF withdraw period” Monday, February 13 – Monday, March 13

Last day of classes : Monday, April 24

Approximate exam schedule: Dates may be moved up or down a class

exam 1: Part 1 chapters 1, 2, 3, 4, 5 Wednesday, February 15

exam 2: Part 2 chapters 7, 9, 10, 13, 14, 15 Wednesday, March 29

exam 3: Part 3 chapters 16, 17 Friday, April 14

Chapter 18 will be on the final if this material has been covered in class.

NOTE: Calculator and a copy of “Tables and Formulas for Moore” will be used for each exam. NO GRAPHIC CALCULATORS WILL BE ALLOWED.

Final Exam: Section 001 Friday, April 28, 8 a.m. – 10:30 a.m.

Drop Deadlines

Prior to Census Day (12th class day) students with declared majors may drop online. Any courses dropped through Census Day will not show on the student's transcript. Students may not add courses after Census day without the consent of the instructor and the Dean of Undergraduate Education.

Through the fourth class week, students may drop classes by completing a drop form and having it signed by their academic advisor and course instructor. A grade of "W" (withdrawn) will appear on the student's transcript.

During the fifth through ninth weeks of the semester, students that submit a completed drop form will receive a grade of "WP (withdrawn passing) or "WF" (withdrawn failing) depending on the student's performance in the class. On the drop form containing the advisor's and instructors signatures, the instructor is required to record the student's academic progress in the class to that point.

After the ninth week of class, a student may only drop a class for nonacademic reasons.

Contesting a Drop

A student that believes he/she has dropped a course, but receives a grade for that course at the end of the semester, has one calendar year in which to bring a copy of the completed drop slip to the Office of the Registrar to contest that grade.

Administrative Drop

Students may be dropped from a course for which they have not satisfied the prerequisites.

Registration – Dropping a Course for Non-academic Reasons

Students wishing to drop a class for nonacademic reasons must have a drop form completed by the academic advisor and course instructor and prepare a written petition detailing the nature of the request and including verifying documentation. These documents must be submitted to the Director of Undergraduate Student Advising. The Director will distribute the petition to three academic advisors who will independently judge the validity of the request and return their decisions to the Director. The Director will inform the student of the outcome. If the petition is approved, the student will receive a grade of "W" for the course, otherwise the student must continue enrollment in the class. Therefore, it is extremely important that students petitioning to drop a class must continue to attend and perform in the class until the petition request is resolved