

Middle Tennessee State University
Department of Mathematical Sciences
Spring 2006
Course Syllabus

COURSE: Applied Statistics Math 1530-003
Meeting Times: MWF 12:40-01-35 P.M
Location: VIS 243

TEXT BOOK: Essentials of Statistics (Second edition), by Mario F. Triola
Addison Wesley, ISBN: 0-201-77129-2

INSTRUCTOR: DR. A. Khaliq, KOM-250, Phone: 494-8889
E-Mail: akhaliq@mtsu.edu
URL: <http://www.mtsu.edu/~akhaliq>

OFFICE HOURS: 2:00-3:00 P.M. M T W Th, Friday 11:00-12:00 Noon, and by appointment.

CONTENTS: Chapters 1-10

OBJECTIVES:

This is an introductory course covering fundamentals of modern statistical methods. Topics include descriptive statistics, measures of central tendency, the binomial and normal distributions, estimation, and hypothesis testing. The z, t, F and chi-square test statistics are introduced. Excel is used throughout the course for analyzing data files and carrying out statistical procedures

GRADING: 90 - 100% A, 80-89% B, 70 - 79% C, 60 - 69% D, 00 - 59% F

Based on the following instruments:

3 Tests	300 points
4-5 Quizzes	75
Assignments	75
Final Exam	150
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TOTAL	600 points

Tests: (Feb 08, March 01, April 5)

You will be given three 55 min., tests during the semester. These will be closed-book tests; calculators are permissible but not necessary. Each test will carry equal weight, and will cover all of the material learned up to and including two days before the exam. Cheating during the tests would not be tolerated. Cheating cases will be brought into attention of appropriate MTSU authorities.

Quizzes:

Each quiz will be about 15-20 minutes and will carry equal points. Dates for the quizzes will be decided in class. Frequency of Quizzes will be more in the second part of the semester.

Assignments:

- No more than 5-7 assignments,

You will be given about 5-7 assignments, mostly application problems. Each assignment will have some challenging problems. Please write all of your solutions very neatly and present them to me in a professional looking way. Thus, whenever possible, avoid things such as crossing out work and writing out of order. To help you with this, I suggest you first solve a problem on scratch paper, and then when you are satisfied with your solution, write it up for submission. This will also give you time to reflect on whether or not your solution is correct.

When writing solutions to problems use, grammatically correct sentences whenever possible. Be detailed in your explanations; a lone numerical answer never suffices. Cheating is not tolerated, and will be dealt according to MTSU policy.

Final Exam:

Wednesday, May 3	12:30 - 2:30 p.m.
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Final exam will be comprehensive, closed book exam and will be only given according to MTSU Final exam schedule on the above date and time.

Homework:

You will be assigned 15-20 textbook problems on each day class are held (except for exam days). You should strive to solve the problems the day they are assigned. It is very important to keep up with the homework and do the problems regularly. Although homework problems will not be graded, it is very important to do the problems to for the mastery of the subject. The best way to learn mathematics is to do mathematics.

I encourage you to work with others on homework problems. However, be sure that you understand everything and do not become dependent on others. While I will solve homework problems in class, you may feel free to stop by my office to discuss the problems. Feel free to e-mail me questions you are not able to solve, and I'll address solutions to such problems in the next lecture.

Readings are also part of your homework, even though you cannot be directly graded on this component. Reading work will be given on each day class is held. You are expected to complete the reading before the start of the very next scheduled class. Please take these readings seriously; the very best way to learn mathematics is to read it.

Attendance and Late Work :

Perfect attendance is expected to succeed in the course. To obtain an excused absence due to illness for a day that class meets, you must submit written verification obtained from a physician, or the Office of Student affairs. Excused absences will also be granted for participation in scheduled athletic events or class field trips. In that case you must notify me well in advance of the absence to be excused.

If you have an excused absence for the day an exam is scheduled, you must contact me to make arrangements for taking a make-up test (which will be different from and perhaps slightly more difficult than the original exam). The make-up exam should be taken as soon as possible, and definitely no later than five days after the original test was administered. Missing a test may mean that you will lose the privilege of obtaining written solutions from me.

If you have an excused absence for the day Assignment is due, you must submit the assignment to me within 48 hours of the time it was due. If you are still on excused absence, you must send someone to bring the assignment to my office before the 48 hours has expired. This deadline is strict so that I may give solutions soon after the assignment is due.

Tests and assignments missed without an excused absence will be recorded as zero points. There will be no other chances to complete missing work, so please keep on top of things.

IMPORTANT INFORMATION:

SPRING 2006

DEADLINES FOR ADDING, DROPPING, WITHDRAWING, REFUNDING

December 16-18	Priority Drop/Add
January 16	Last day to DROP classes for a 100% refund
January 16	Last day to register without paying \$100 late fee
January 16	Last day to WITHDRAW FROM ALL CLASSES for 100% refund
January 18	Last day to REGISTER (late fee charged)
January 20	Last day to ADD classes
January 30	Last day for a 75% refund
January 30	Last day to drop or withdraw WITHOUT a grade
February 12	Last day for a 25% refund
March 6	Last day to drop or withdraw with a grade of "W"
April 19	Last day to withdraw from the University
April 26	Last day of classes
April 27	Study Day
April 28-May 4	Final Exams

- A grade of **"I"** will be given only in accordance with university policy.
- If you have a **disability** that may require **assistance or accommodation**, please see me and also contact the Office of Disabled Student Services (898-2783).
- Cell phones are not allowed during exams for any reason, including using them as clocks or calculators.
- Students receiving the **lottery scholarships** must earn a 2.75 GPA after attempting 24 credit hours and a 3.0 GPA after attempting 48 hours or more. Students who drop below full-time status(12 hours) during the first 14 days of the semester will have their award adjusted and will owe money to the University. Students who drop after the 14th day of class will have their future lottery scholarships suspended unless the drop was approved in advance by the office of Financial Aid. Students may appeal the suspension if the drop is due to documented personal illness, illness or death of immediate family member, extreme financial hardship, military service or other extraordinary circumstances beyond the student's control. The lottery appeal form may be obtained at www.mtsu.edu/financialaid/forms.htm.
For more lottery information please visit the following URL www.tennesseescholardollars.com

NOTE: Please turn **all cell-phones** off during class time. If you must leave your phone on, please set to vibrate mode. If you must answer your phone during class, please quietly leave the room to do so. Please do not send text messages during class time.

