

PROBABILITY AND STATISTICS
MATH 2050-001, CALL NO. 11731, SPRING 2012, MWF 1:50-2:45, KOM 202

★ This course is an introduction to data analysis, probability, and statistical inference. ★

Course No. : MATH 2050-001 **CRN:** 11731 **Class** in KOM 202

Instructor : Dr. Dennis P. Walsh **Office:** KOM 273

Phone: 615-898-2224

E-Mail: dwalsh@mtsu.edu **Web page:** www.mtsu.edu/~dwalsh

Math Department: 615-898-2669 **Dept. fax:** 615-898-5422

Office Hours: Monday, Wednesday 8:00 - 12:00, 3:00 - 6:00
Tuesday, Thursday 2:00 - 4:00
Friday 8:00 - 12:00
(other hours by appointment)

Textbook: *A First Course in Statistics*, 10th ed., 2009, McClave & Sincich, Prentice-Hall, NJ

Calculator: Graphing calculator required. Instructor will use a TI-83 or TI-84.

Course Prerequisites: Calculus I.

Schedule (subject to revision):

Jan 13 – Feb 1	Chapters 1-2: Introduction to Statistics, Descriptive Statistics
• Feb 3	Test 1
Feb 6 – Feb 22	Chapters 3-4: Probability, Random Variables, Distributions
• Feb 24	Test 2
Feb 27 – Mar 26	Chapters 5-6: Confidence Intervals, Hypothesis Tests
• Mar 28	Test 3
Mar 30 – Apr 13	Chapters 7-8: Comparing Population Means/ Proportions
• Apr 16	Test 4
Apr 18 – Apr 20	Chapter 9: Simple Linear Regression
• Apr 23	Test 5
Apr 27	Final Exam (Friday, 12:30-2:30, comprehensive)

Evaluation: The semester grade will be based on attendance/class work (15%), tests (65%), and the final exam (20%). Letter grades will be assigned according to the usual scale:

A for [90,100], B for [80,90), C for [70, 80), D for [60,70), F for (0,60) pts.

Absences: Attend every class. Prompt notification of an absence is required. If a student misses a test for a legitimate reason that is promptly reported, the instructor will either give a make-up test or reweigh the final exam. A grade of W or I will be given only in accordance with the University policy.

Disability: If you have a disability that may require assistance or accommodation, or if you have questions related to any accommodations for testing, note takers, readers, etc., please speak with me as soon as possible. Students may also contact the Office of Disabled Students Services (898-2783) with questions about such services.

Lottery Scholarships:

Do you have a lottery scholarship? To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a cumulative TELS GPA of 3.0 thereafter. You may qualify with a 2.75 cumulative GPA after 72 attempted hours (and subsequent semesters), if you are enrolled full-time and maintain a semester GPA of at least 3.0. A grade of C, D, F, or I in this class may negatively impact TELS eligibility. Dropping a class after 14 days may also impact eligibility; if you withdraw from this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship. Lottery recipients are eligible to receive the scholarship for a maximum of five years from the date of initial enrollment, or until a bachelor degree is earned; students who first received the lottery scholarship in Fall 2009 or later will additionally be limited to 120 TELS attempted hours. For additional Lottery rules, please refer to your Lottery Statement of Understanding form via RaiderNet, review lottery requirements on the web at www.mtsu.edu/scholarships/telsconteligibility_scholarships.shtml, or contact the Financial Aid Office at 898-2830.

Important Dates

January 16	...	Martin Luther King Holiday – no classes
January 12	...	Classes begin
January 25	...	Last day to drop or withdraw without a grade
March 5-11	...	Spring Break
March 23	...	Last day to drop or withdraw with a grade of “W”
April 25	...	Last day of classes
April 26	...	Study Day
April 27	...	Final Exam for MATH 2050-001 (Friday 12:30-2:30)
May 5	...	Spring 2012 Commencement

- Notes:**
1. Read the textbook. Bring your textbook to class. You are responsible for understanding material from the text even if the material is not covered in class.
 2. Practice problems and exercises from the text.
 3. Spend at least 6 hours per week studying for this course.
 4. Attend every class. Attendance counts for 10% of your final grade.
 5. Ask questions on topics you fail to fully grasp.
 6. A TI-83 or TI-84 calculator will perform many of the calculations needed in the course. Keep your manual on hand.
 7. Be neat and clear in any work that you turn in.
 8. The various concepts presented throughout the course are often more important than the calculations required to complete an analysis based on the concepts.
 9. When preparing for a test, don't wait until the night before to study.
 10. Make use of free tutoring services in KOM 204.