APPLIED STATISTICS

MATH 1530-004, CALL NO. 03534, FALL 2006, MWF 11:30-12:25
This course covers descriptive statistics, probability, and basic statistical inference.

INSTRUCTOR: Dr. Dennis Walsh

OFFICE: KOM 273       OFFICE HRS: MWF 9:15 – 11:15, 3:30 – 4:30
PHONE: 898-2224 (office)       TR 8:00 – 9:30
       898-2669 (dept. office)  (other hours by appointment)
DEPT. FAX: 898-5422       E-MAIL: dwalsh@mtsu.edu

CALCULATOR: Scientific calculator with statistical functions. (TI-83 recommended.)

SCHEDULE (subject to revision):

Aug 28 – Sep 8 Chapters 1-2: Introduction to Statistics, Descriptive Statistics
• Sep 11 Test 1
Sep 13 – Sep 27 Chapters 3-4: Probability, Probability Distributions
• Sep 29 Test 2
Oct 2 – Oct 18 Chapters 5-6: Normal Probability Distributions, Confidence Intervals
• Oct 20 Test 3
Oct 23 – Nov 8 Chapters 7-8: Hypothesis Testing, Inferences from Two Samples
• Nov 10 Test 4
Nov 13 – Dec 1 Chapter 9-10: Regression, Chi-Square and ANOVA
• Dec 4 Test 5
• Dec 13 Final exam: Comprehensive (10:00-12:00)

ATTENDANCE:

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. The highest score possible on an assignment/test that is turned in late is the lowest score of the students who were not late. If a student misses a class, it is the student's responsibility to obtain class notes from a classmate.

EVALUATION:

The semester grade will be based on attendance (15%), tests (60%), and the final exam (25%). Letter grades will be assigned according to the scale:

A for [90,100], B for [80, 89], C for [70, 79], D for [60, 69], F for [0, 59].
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.

SCHOLARSHIP:

To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 attempted hours and a cumulative TELS GPA of 3.0 thereafter. 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.

IMPORTANT DATES:

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Sept 4</td>
<td>Labor Day holiday</td>
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<td>Sept 10</td>
<td>Deadline: drop or withdraw without a grade</td>
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<tr>
<td>Oct 15</td>
<td>Deadline: drop or withdraw with “W”</td>
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<td>Oct 14 – 17</td>
<td>Fall break</td>
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<td>Nov 23 – 25</td>
<td>Thanksgiving holidays</td>
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<td>Dec 6</td>
<td>Last class</td>
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<td>Dec 7</td>
<td>Study day</td>
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<tr>
<td>Dec 13</td>
<td>Final exam (10:00 – 12:00)</td>
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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 5 hours per week studying for this course.
4. Attend every class. Attendance counts for 15% of your final grade. One point (out of 15) will be deducted for each unexcused absence.
5. Ask questions on topics you fail to fully grasp.
6. A TI-83 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. Group study sessions are helpful to many students.
10. There are many internet sites that can assist you in your studies.
11. When preparing for a test, don't wait until the night before to study.