
INSTRUCTOR: Salvador Lopez, Ph.D.
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OFFICE: Room 1317
HOURS: Office Hours: M – F: 11:00 am 12pm, 4:30pm – 5:25pm.
E-mail: slopez@westga.edu


COURSE DESCRIPTION: Course emphasis is on applications of statistics in business. Topics include methods of presenting data, numerical measures and correlation, probability theory and probability distributions, sampling distributions, estimation, hypothesis testing, and linear regression.

PREREQUISITES: MATH 1111 or MATH 1113, CISM 2201 and a 2.0 minimum GPA.

EXPECTED LEARNING OBJECTIVES

Students will:

- Construct and interpret tabular and graphical methods of presenting qualitative and quantitative data. (LG2, LG3, LG12)

- Construct and interpret summary numerical measures of location, variability, and association for the sample and the population. (LG2, LG3, LG6, LG12)

- Apply basic probability concepts, expected value, and variance to a variety of business applications (LG2, LG6, LG12)

- Use discrete and continuous probability distributions and sampling distributions in a variety of business applications. (LG2, LG3, LG6, LG12)
- Construct and interpret interval estimates and be able to determine the required sample size for constructing interval estimates. (LG2)

- Estimate regression models, evaluate the results of regression models, and use the results for prediction and forecasting. (LG2, LG3, LG12)

- Use Microsoft Excel to generate descriptive statistics and perform regression and correlation analysis. (LG2, LG3, LG12)

Note: A complete list of expected learning goals (LG) for the Economics Department can be found at the department web site (www.westga.edu/~econ/outcomes.html).

ATTENDANCE: Attendance is strongly recommended for each class. There will be (graded) Clicker questions in every session. Students are responsible for all announcements and material covered in class. Students who do not attend class regularly will receive little consideration in regard to individual instruction, borderline grade decisions, etc. Classes will begin promptly at the scheduled time.

TESTS: During the semester, you will take a mid-term and a final exam. The date and material for each test are listed below. All necessary formulas and/or tables will be provided by the instructor (no need for a cheat sheet). Test questions will be based on the concepts and exercises shown in the textbook, and especially those discussed and/or solved in class. Maximum time allowed for both tests is two hours. To every test, you should bring a calculator and a scantron (school of business, green 882-E). **No cell phones are allowed.**

MAKE-UP POLICY: If you miss the mid-term due to an emergency, please contact the instructor as soon as possible, so you can take the test on the following day of classes. Such policy applies as long as you provide a verifiable and justifiable written excuse showing specific dates.

CLICKER QUESTIONS: During the term, you will be required to participate by responding to clicker questions related to current material. Each answer you respond will receive a value of one point. Each right answer will count for 1.25 points. After dropping the lowest grade, your clicker average grade will count for 15% of the final grade in the course. If you forget to bring the clicker, that will be your dropped grade. **No exceptions.**
REGRESSION ASSIGNMENT: Based on the material learned in chapter 12, you will be assigned a regression exercise due on the last day of classes. The instructions and specific exercise will be provided at least one week before the end of the course. This assignment is worth 5% of your final grade.

CELL PHONES: As soon as class starts, all cell phones must be turned off and placed away from your desk inside your bags or pockets. **Cell phones cannot be used as calculators both during regular classes and examinations.** Every session will have two five-minute breaks, so you can use your phones, go to the bathroom, etc. If you use your cell phone during class, you will get a zero clicker grade on that day without any warning. There are no exceptions to this rule.

LAPTOPS: Portable computers (laptops) are not allowed or must be turned off during class. No exceptions.

CHEATING: Academic dishonesty on any exam will result in a zero on the exam, an F for the course, a note recording the incident on the student's permanent record and the student reported to Student Services for appropriate disciplinary action by the University. Students not familiar with what constitutes academic dishonesty or those unfamiliar with the appeals procedures regarding academic dishonesty should refer to the UWG Undergraduate Catalog.

<table>
<thead>
<tr>
<th>ACTIVITY/MATERIAL</th>
<th>DATE</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clicker Average Grade</td>
<td>Daily</td>
<td>15%</td>
</tr>
<tr>
<td>Regression Assignment</td>
<td>Due on 6/28/2011</td>
<td>5%</td>
</tr>
<tr>
<td>Test 1 (Material since day 1)</td>
<td>June 16th, 2011</td>
<td>40%</td>
</tr>
<tr>
<td>Final (Cumulative since Chapter 5)</td>
<td>June 30th, 2011</td>
<td>40%</td>
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DISRUPTIVE BEHAVIOR: Arriving late, leaving early, yawning loud, talking during lectures, using profane language, and receiving cell phone calls or text messages while in class, are some of the most common ways students may interrupt a class and encourage others to do the same. If you consistently show evidence of this behavior, the instructor will give you first a verbal warning. If the behavior continues, you will be dropped from the course with an F. **Cell phones, laptops or any other devices with internet access must be turned off as soon as class starts.**
COURSE OUTLINE AND METHOD OF INSTRUCTION:  Chapters 1- 9, 12. The material will be covered using a lecture approach emphasizing participative problem-solving.

Final Letter-Grade Assignment:
0 – 59.94: F
59.95 – 69.94: D
69.95 – 79.94: C
80 – 89.94: B
89.95 – 100: A
This table will be strictly implemented. No further adjustments will be made.

CALENDAR FOR SUMMER III, 2011

<table>
<thead>
<tr>
<th>Start Date and Time</th>
<th>Event Details</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, June 06, 2011</td>
<td>Classes begin</td>
<td></td>
</tr>
<tr>
<td>All Day</td>
<td>Drop/add and late registration</td>
<td></td>
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<tr>
<td>Tuesday, June 07, 2011</td>
<td>Drop/add and late registration</td>
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<tr>
<td>Thursday, June 16, 2011</td>
<td>Last day to withdraw with a grade of W</td>
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<tr>
<td>Tuesday, June 28, 2011</td>
<td>Last day of class</td>
<td></td>
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<tr>
<td>Wednesday, June 29, 2011</td>
<td>Reading Day</td>
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<tr>
<td>Thursday, June 30, 2011</td>
<td>Examinations</td>
<td></td>
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