Instructor: Salvador Lopez, Ph.D.
1317 RCOB
Phone: (678) 839-4778

Office Hours: M, W: 8:30am – 10:30. T, Th: 8:30am-11:30am. If you need to contact me, you can do it on those days via phone, in person, or on Course Den’s Chat room. For the latter, please send me first an e-mail message indicating the day and time that you would like to enter the chat room.

E-mail: slopez@westga.edu

Course Website: CourseDen

Course Description:
This course investigates the applications of statistics in business. Topics include decision analysis, linear regression, forecasting, linear programming and waiting line methods. This is a 100% online course. Students read sections of the textbook and take related assignments online. Students may attend an optional first meeting (January 13th, 2012 at 8am, room 1308 at RCOB) and take two tests, a midterm and a final exam, whose dates are indicated below.
Throughout the semester, you need to frequently access the course and look for announcements related to weekly assignments. Assignments are usually due at the end of every week (midnight on Sundays).

Expected Learning Objectives:
Upon completion of this course, students are expected to have a basic understanding of:
- Recognize the role that quantitative models play in the decision making process (LG2)
- Be able to transform a rather general problem into a well-defined problem that can be solved quantitatively (LG2)
- Be able to apply basic quantitative models to business situations (LG2)
- Demonstrate the ability to collect and input data into basic quantitative models (LG2, LG3)
- Be able to solve models "by hand" and with specialized computer software, spreadsheets and graphical packages (LG2, LG3)
- Describe specific quantitative models including decision analysis, linear programming, and others applicable to business decision making (LG2)

Note: A complete list of expected learning goals (LG) for the Economics Department can be found at the department website http://www.westga.edu/~econ/lg_assessments.htm

Textbook: QUANTITATIVE METHODS FOR BUSINESS
By Anderson, Sweeney, and Williams, 11th Edition. A copy of the textbook is also on reserve at the UWG library. You can use an earlier edition, which is a lot cheaper, but you need to make sure that the exercises and sections assigned are the same.

Course Outline:

- **Chapters 1, 4, 5, 6, 7, 8**
- **Introduction**
- **Decision Analysis**
- **Utility & Game Theory**
- **Forecasting**
- **Linear Programming I, II, and III**

More specific details of sections covered will be provided in the study guides.

**TESTS AND ASSIGNMENTS:** During the semester, you will take online quizzes and homework worth 20% each for a total of 40% of your final grade. The remaining 60% will be distributed between a mid-term (30%) and a final exam (30%). The dates and materials for the tests are listed below. All quiz and test questions will be based on the study guides available on CourseDen. Maximum time allowed for the mid-term exam will be two hours. Maximum time for the final exam will be two and one-half hour. To every test, you should bring a calculator (preferably a statistical calculator) and a scantron (school of business, green 882-E).

Quizzes will be due at the end of every week. Homework (Excel) assignments will be posted at the end of chapter 1 and sections from chapters 6, 7, and 8. The instructor will estimate a reasonable time to assign homework given the chapter coverage. You should access the course frequently and check for announcements related to these two activities. Also, there are special presentations, usually videos, demonstrating solutions to the most important problems of each chapter.

After their due dates, quizzes and Excel assignments cannot be made up.

**CHEATING:** Academic dishonesty on any exam or in-class assignment done alone 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.

**GRADE DISTRIBUTION BY ACTIVITY**

<table>
<thead>
<tr>
<th>ACTIVITY/MATERIAL</th>
<th>DATE</th>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>Optional/Orientation Meeting</td>
<td>Friday, January 13th</td>
<td>NA</td>
</tr>
<tr>
<td>Online Quizzes (“assessments”)</td>
<td>Shown on CourseDen</td>
<td>20%</td>
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<tr>
<td>Online Homework (“assignments”)</td>
<td>Shown on CourseDen</td>
<td>20%</td>
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Mid-term  Monday, February 27th (8-10 am)  30%
Final (Cumulative)  Monday, April 23rd (8 – 10:30am)  30%

**Final Numerical and Letter Grade (strict policy, no exceptions):**

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<tr>
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<th>Letter</th>
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<tr>
<td>0 – 59.49</td>
<td>F</td>
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<tr>
<td>59.50 – 69.49</td>
<td>D</td>
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<td>69.50 – 79.49</td>
<td>C</td>
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<td>79.50 – 89.49</td>
<td>B</td>
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<tr>
<td>89.50 – 100</td>
<td>A</td>
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**Some Basic Rules:**
FOOD AND DRINKS ARE NOT ALLOWED IN ANY OF THE CLASSROOMS. CELL PHONES, PDAs, MP3S, OR ANY OTHER DEVICES WITH TEXTING CAPABILITY CANNOT BE USED WHILE TAKING A TEST.