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

Office Hours: M-F: 8:30am – 10:30am. If you need to contact me, you can do it on those
days via phone, in person, or on D2L’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 (D2L)

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 95% online course. Students read sections of the textbook and take related
assignments online. Students may attend an optional first meeting (June 2nd, 2014 at
8:30am, room 1309 of 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 assignments. The course is divided in two sections: from June
2nd through June 30th, and from June 30th through July 23rd. All quizzes and Excel
assignments are due by midnight (quizzes) and noon (Excel) on the day before each
section ends. That is also one day before each exam.

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, 12th Edition. 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. Warning: Chapter 6 is very different than in any previous edition. I will make a copy available on the course website.

Course Outline:
- Chapters 1, 4, 7, 2, 3, 6
- Introduction
- Decision Analysis
- Linear Programming
- Introduction to Probability
- Probability Distributions
- Forecasting

More specific details of sections covered will be provided in the study guides and course schedule shown below.

TESTS AND ASSIGNMENTS: During the semester, you will take online quizzes and Excel assignments worth 10% each for a total of 20% of your final grade. The remaining 80% will be distributed between a mid-term (40%) and a final exam (40%). The dates and materials for the tests are listed below. All quiz and test questions will be based on the sections and topics covered on the study guides, PowerPoint slides and video demonstrations. Each exam will consist of 25 multiple-choice questions (75 points total) and three exercises (25 points total). Multiple-choice questions are similar (not necessarily identical) to those found in the quizzes and exercises are similar (not necessarily identical) to those demonstrated in the videos, illustrations in the Textbook, and end-of-chapter exercises assigned in the study guides. Expect one exercise per chapter.

Maximum time allowed for both the mid-term and final exam will be one hour each. To every test, you should bring a calculator, a scantron (school of business, green 882-E), and a #2 pencil with a good eraser. NO CELL PHONES, HEADPHONES AND HATS ALLOWED.

QUIZZES
Quizzes are assigned for every chapter. Each one of them contains 10 multiple-choice questions. You can take each quiz as many times as you want. Your grade will be the average of your attempts. The answers to the quizzes will not be available, but you can still submit yours until midnight before each exam. Quizzes due before the mid-term exam are: 1.1, 4.1, 4.2, 7.1, 7.2 and 7.3. Quizzes due before the final exam are: 2.1, 3.1, 3.2, 6.1, and 6.2. As you may notice, the quizzes are identified by two numbers: chapter and assignment number. Weight: 10%.
EXCEL
Excel exercises are assigned only for chapters 1, 6, and 7. They are due by noon on the day before each exam. Their solutions will be posted right after the due date and time and no more files will be accepted afterwards. You may submit more than one file. I will grade only the last one submitted. Your files should be uploaded using your own name. For example, John Smith’s file should be named: “john_smith” followed by the assignment number (1.1, 7.1, etc.).
Weight: 10%. I strongly recommend you to review the corresponding videos and Textbook instructions and illustrations before you submit any Excel assignment.

CHEATING: Academic dishonesty on any exam or in-class assignment done individually 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

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<tr>
<th>ACTIVITY/MATERIAL</th>
<th>DATE</th>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>Optional/Orientation Meeting</td>
<td>Monday, June 2nd</td>
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</tr>
<tr>
<td>Online Quizzes (due by midnight on 6/29 for Part I and 7/22 for Part II)</td>
<td>Shown on CourseDen (D2L)</td>
<td>10%</td>
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<tr>
<td>Excel assignments (due by noon on 6/29 for Part I and 7/22 for Part II)</td>
<td>Shown on CourseDen (D2L)</td>
<td>10%</td>
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<tr>
<td>Mid-term (Chapters 1, 4, 7)</td>
<td>Monday, June 30th (8:30 – 9:30 am)</td>
<td>40%</td>
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<tr>
<td>Final (Chapters 2, 3, 6)</td>
<td>Wednesday, July 23rd (8:30 – 9:30am)</td>
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Final Numerical and Letter Grade (strict policy, no exceptions):

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<td>69.50 – 79.49</td>
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<td>B</td>
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<tr>
<td>89.50 – 100</td>
<td>A</td>
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Basic Important 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.
THE FOLLOWING OUTLINE IS A PLANNED COVERAGE OF THE MATERIAL COVERED IN ECON 3406 FOR THE SUMMER 2014 TERM.

PART I:

PART II: