Statistics for Business II

Instructor: Dr. Leland Gustafson, Professor of Economics
E - Mail: LGG55@yahoo.com                Office: RCOB Building, Rm #: 1217
Class Time: T, Th: 9:30–10:45 am.     Location: Business 1308
Phone: Office: 678-839-4776 - I am on email everyday.

Textbook: Quantitative Methods for Business: By Anderson, Sweeney and Williams, et.al. 11th ed. (may use 10th ed.)
Prerequisites: Math 1413, CISM 2201 and Econ 3402. These prerequisites are strictly enforced.

Class Structure: The basic objective is to develop a clear understanding of the standard quantitative tools applied in business today. The initial thrust will be on theoretical analysis of the statistical concepts and their application. Numerical solving by "hand" i.e. manual solution techniques will be rigorously enforced in class as well as exams.

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, LG3, LG6)
- Demonstrate the ability to collect and input data into basic quantitative models (LG2, LG3, LG10)
- Be able to solve models "by hand" and with specialized computer software, spreadsheets and graphical packages (LG2, LG3, LG10)
- Describe specific quantitative models including decision analysis, linear programming, and others applicable to business decision making (LG2, LG3)

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/index_12904.php

Course outline:
Chapter 4 (Section 1-4) Sec 4 students will cover on their own
Chapter 15 (Sections 1-5) Queuing Lq-Table - QUEUING CHART [This is Chp 14 in 9th & 10 Eds.]
Chapter 6 (Sections 1-3)

Practice Homework:
Chp. 4: 1, 2, 3, 4, 5, 7, [8, 9], 14, Practice Quiz   Ans for Chp 4
Chp. 15: 3, 4, 7, 11, 12, 16, 17, 22, 23, Class Problems, Ans for Chp 14  [Chp 15 in 11th ed.]
Chp. 6: 1, 2, 3, 4, 5, 7, 11, 13, 14, 15, 16, 21, Handout, Class Problem Ans for Chp 6

Exams – students my use one sheet of notes (front & back) for each exam
Exam. 1: Chapter 4 – Thursday, September 1, 2011
Exam. 2: Chapter 15 – Tuesday, September 20, 2011
Exam 3: Chapter 6 – Thursday, October 6, 2011

The 3 exams will count for a total of 50% of your final grade. Test 1 will count 15% and the HIGHER of Tests 2 & 3 will count 20% and the lower will count 15%

Course Grading Scale: 90+ = A  80-89.9 = B  70-79.9 = C  60-69.9 = C  below 60 = F
Instructor: Dr. Swarna (Bashu) Dutt, Professor of Economics

e-mail: bdutt@westga.edu
Office: RCOB Building, Rm. # 1314
Class Time: T, Th: 9.30 – 10.45 AM
Location: Business 1308
Office Hours: Office Hours: Tuesday, Thursday: 8.00 – 9.30 AM and 10.45 – 11.00 AM. I am on email regularly.

Textbook: Quantitative Methods for Business:
by Anderson, Sweeney and Williams 11th ed. You can use the older edition of the book (10th ed.) Prerequisites: Math 1413, CISM 2201 and Econ 3402. These prerequisites are strictly enforced.

Class Structure: The basic objective is to develop a clear understanding of the standard quantitative tools applied in business today. The initial thrust will be on theoretical analysis of the statistical concepts and their application. Numerical solving by "hand" i.e. manual solution techniques will be rigorously enforced in class as well as exams. We will do an “EXCEL” project in class and you will be assessed on it as a homework exercise (40 points)

COURSE LEARNING OBJECTIVES:

(1) Recognize the role that quantitative models play in the decision making process (LG2)
(2) Be able to transform a rather general problem into a well-defined problem that can be solved quantitatively (LG2)
(3) Be able to apply basic quantitative models to business situations (LG2, LG3, LG6)
(4) Demonstrate the ability to collect and input data into basic quantitative models (LG2, LG3, LG10)
(5) Be able to solve models "by hand" and with specialized computer software, spreadsheets and graphical packages (LG2, LG3, LG10)
(6) Describe specific quantitative models including decision analysis, linear programming, and others applicable to business decision making (LG2, LG3)

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/index_12904.php

Course outline:
Chapter 7
Chapter 8
Chapter 9 (Project): 40 points

Exams:
Exam. 1: Oct. 27, 2011: 60 points
Final Exam.: Dec. 8, 2011: 100 points (8.00 – 10.00 AM)

NOTE: I reserve the right to make alterations in the syllabus as and when I deem necessary. You will be notified of these changes in advance. Please switch off all cell phones before entering my class. No food or beverages allowed in class. I will strictly adhere to the university policies on discipline and plagiarism. I will post your final grades on Banweb, Dec. 8, 2011, by 2.00 PM.