Economics 3406 - 01  
Spring 2004  
Statistics for Business II  
(Syllabus available online)

Instructor: Dr. Swarna (Bashu) Dutt  
Professor of Economics

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Office: RCOB Building, Rm #: 47  
Class Time : M: 7.00 – 9.30 pm.  
Location Business : Rm 40  
Office Hours: Both M and T : 5.00 – 7.00 pm or by appointment(Phone: Office: 836-6477). I am also on e-mail everyday.

Textbook: Quantitative Methods for Business:  
By Anderson, Sweeney and Williams, 9th 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. Then the specific solution software "Management Scientist" will be used to generate data, develop models and compute the results. Computer applications on decision analysis, forecasting and linear programming models will be undertaken in class and then tested via projects in the computer lab. I have reserved the Lab. for April 12 and 19, 2004 during class time. The idea is to build a thorough understanding of the theory as well as application of these techniques.

EXPECTED LEARNING OUTCOMES:

Upon completion of this course, students are expected to have a basic understanding of:

- The role that quantitative models play in the decision making process (LO5, LO12)
- How to transform a rather general problem into a well-defined problem that can be solved quantitatively (LO5)
- How to apply basic quantitative models to business situations (LO5)
- How to collect and input data into basic quantitative models (LO2, LO11)
- How to solve models "by hand" and with specialized computer software, spreadsheets and graphical packages (LO3)
- Specific quantitative models including decision analysis, linear programming, forecasting, transportation and waiting line (LO5)

Note: A complete list of expected learning outcomes (LO) for the Economics Department can be found at the department website (www.westga.edu/~econ/outcomes.html)
Course outline:

Chapter 7
Chapter 8
Chapter 10
Chapter 1
Chapter 2
Chapter 3
Chapter 4
Chapter 5
Chapter 6
Chapter 9
Chapter 14 (optional)

Exams: All are comprehensive.

Exam. 1: Feb. 2, 2004: 50 points
Exam. 2: Feb. 23, 2004: 60 points
Exam. 3: March 15, 2004: 70 points

Final Exam: May 3, 2004: 100 points
8.00 - 10.00 pm

Computer Lab Project (Exam): 20 points

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Total 300 points
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Assessment Policy:

90 - 100 %: A: 270 - 300
80 - 89.9 %: B: 240 - 269
70 - 79.9 %: C: 210 - 239
60 - 69.9 %: D: 180 - 209
Below 60 %: F: 179 and below

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 shut off all cell phones, pagers before entering my class. I will post your final grades on Banweb, May 5, 2004, at 1.00 PM.