Economics 3406 – 03  
Spring 2012  
Statistics for Business II  
(Syllabus available online)  
January 9 - February 27, 2012

Instructor: **Dr. Swarna (Bashu) Dutt**  
Professor of Economics  
e-mail: bdutt@westga.edu  
Office: RCOB Building, Rm. # 1314  
Class Time : M, W: 2.00 – 3.20 PM  
Location : Business 1309  
Office Hours: Office Hours: M, W: 11.00 – 12.30 PM. I am on email regularly.

Textbook: Quantitative Methods for Business:  
by Anderson, Sweeney and Williams 11 th 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 (20 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](http://www.westga.edu/econ/index_12904.php)

**Course outline:**  
Chapter 7  
Chapter 8  
Chapter 9 (Project): 20 points  

**Exams:**
Exam. 1: January 30, 2012: 60 points
Exam. 2: February 20, 2012: 120 points

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. Dr. Gustafson will start his section February 29, 2012.

Economics 3406 – 03 Spring 2012
Feb 27 – Apr 23, 2012
Statistics for Business II

Instructor: Dr. Leland Gustafson, Professor of Economics
E - Mail: LVG55@yahoo.com                      Office: RCOB Building, Rm: 1217
Class Time: MW: 2:00 -3:20 pm.                 Location: RCOB Building, Rm: 1309
Office Hours: Tuesday, Tuesday, Thursday: 1:30 - 4 pm or Monday, Wednesday: 1:00 – 3:20 pm.
Phone: Office: 678-839-4776 - I am on email every day.

Textbook: Quantitative Methods for Business: By Anderson, Sweeney and Williams, et.al. 11th ed. (may use 9th or 10th eds.)
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 may use one sheet of notes (front & back) for each exam

Exam. 1: Chapter 4 – Monday, March 12, 2012
Exam. 2: Chapter 15 – Wednesday, April, 4, 2012
Exam. 3: Chapter 6 – Monday, April 23, 2012 – 2:00 PM

The 3 exams will count for a total of 50% of your final grade. Test 1 will count 14% and
the HIGHER of Tests 2 & 3 will count 20% and the lower will count 16%.

Course Grading Scale: 90+ = A  80-89.9 = B  70-79.9 = C  60-69.9 = C  below 60 = F