

Instructor: **Dr. Leland Gustafson**, Professor of Economics

E - Mail: LVG55@yahoo.com

Office: Miller Hall, Rm: 1216

Class Time: TR: 3:30 – 4:50 pm.

Location: Miller Hall, Rm: 1309

Office Hours: Tuesday, Thursday: 8:00 – 11:50 am & 1:00 – 2:00pm

Phone: Office: 678-839-4776 - I am on email every day.

Textbook: Quantitative Methods for Business: By Anderson and Sweeney. 12thed.

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](#)

Chapter 6 (Sections 1-4)

Practice Homework: Solution for all Text Problems : See 'COURSE DEN'

Chp. 4: 1, 2, 3, 4, 5, 7, [8, 9], 14, [Practice Quiz](#)

Chp. 15: 3, 4, 7, 11, 12, 16, 17, 22, 23, [Class Problems](#)

Chp. 6: 1, 2, 3, 4, 6, 17, 19, 20, 22, [Book Example](#), [Practice 1](#), [Practice 2](#)

Exams – students may use one sheet of notes (front & back) for each exam

Exam. 1 : Chapter 4 – Thursday, January 15, 2015

Exam. 2: Chapter 15 – Thursday, February 5, 2015

Exam. 3: Chapter 6 – Tuesday, February 24, 2015

The 3 exams. will count for a total of 50% of your final grade. Test 1 will count 13% and the HIGHER of Tests 2 & 3 will count 21% 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