

*Economics 3402 – 02
June 2016
Statistics for Business I
June 6 – June 30, 2016*

**INSTRUCTOR: Dr. Swarna (Bashu) Dutt
Fuller E. Callaway Endowed Chair**

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Office: RCOB Building, Rm. # 1314

Class Time :Monday - Friday:10.00 – 12.15 PM

Location : 1308 Miller Hall

Office Hours: Monday – Friday: 9.00 – 10.00 am

Textbook: *Statistical Techniques in Business and Economics by Lind, Marchal and Wathen, 16thed. By McGraw Hill.*

Prerequisites: *Math 1413, CISM 2201 and Econ 3402. These prerequisites are strictly enforced.*

Class Structure: *The objective is to develop a clear understanding of the basic 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. along with essay questions.*

Course Learning Objectives:

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

- 1. construct and interpret tabular and graphical methods of presenting qualitative and quantitative data (LG2, LG3, LG10)*
- 2. construct and interpret summary and numerical measures of location, variability, and association for the sample and the population (LG2, LG3, LG10)*
- 3. apply basic probability concepts, expected value and variance to a variety of different business applications (LG2, LG6, LG10)*
- 4. use discrete and continuous probability distributions and sampling distributions in a variety of business applications(LG2, LG3, LG6, LG10)*
- 5. construct and interpret interval estimates and hypothesis tests (LG2)*
- 6. estimate regression models, evaluate the results of regression models (LG2, LG3, LG6, LG10)*
- 7. perform regression and correlation analysis (LG2, LG3, LG6, LG10)*

NOTE: *A complete list of expected learning goals (LG) for the Economics Department can be found at the department web site (http://www.westga.edu/econ/index_12904.php)*

ACADEMIC POLICIES: *Please carefully review the information in the link below concerning the American with Disabilities Act, UWG Email Policy, UWG Credit Hour Policy and the UWG Honor Code.*

http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf

During this summer session, students in the course will generally spend 675 minutes per week of direct faculty instruction in the classroom. As a guide, students should expect to spend about double (1350)minutes per week outside the classroom on assignments, reading the textbook, and in studying the course material.

Course Outline: Chapter 1 – 10 and 13

Exams:

Exam. 1: June 14, 2016: 100 points

Exam 2: June 21, 2016: 100 points

Final Exam.: June 30, 2016: 100 points (10.00 – 12.00 pm)

ASSESSMENT:

You will be graded out of a total of 300 points. The exams will be held during class time on the date(s) mentioned. The exams. are comprehensive. There are ABSOLUTELY no make-up exams or quizzes. There are no alternative ways to earn credits (class project / term papers etc.) Concentrate on the exams. You can call on me during the office hours and / or anytime by making an appointment. I will explain everything in details on the first day of class.

ASSESSMENT POLICY:

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

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 put your final grades on Banweb, June 30, 2016 by 3.00 pm.*