I. CATALOGUE DESCRIPTION.

This course is a continuation of Economics 2100, Business Statistics I. The course covers one sample and two sample tests of hypothesis, ANOVA, univariate and multivariate regression analysis. It also covers non-parametric tests such as Chi square application and the analysis of ranked data. Other topics, which may be covered are time series analysis, forecasting, decision analysis and quality control.

This course is the second course of Statistics for all students in the business program.

II. PREREQUISITES

A. Economics 2100 or Math 1300

III. REQUIRED MATERIALS.

A. Textbook.


IV. EXAMINATIONS

A. Evaluation

1. First Test 33%
2. Second Test 33%
3. Third Test 34%

B. Tests

The tests will be take home, and they will demand a substantial effort. You have to submit them individually. However, you may work together on them. I will enable you to do that through the discussions section of Blackboard.
V. ASSIGNMENTS

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<th>Week</th>
<th>Chapters</th>
<th>Topic</th>
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<td>1</td>
<td>10-12</td>
<td>One Sample Tests of Hypothesis; Two Sample tests of Hypothesis; Analysis of Variance</td>
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<td>13-14</td>
<td>Correlation and Linear Regression Multiple Regression</td>
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<td><strong>First Test</strong></td>
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<td>15-16</td>
<td>Non-Parametric Methods: Nominal Level Hypothesis Tests; Non-Parametric Methods : Analysis of Ordinal Data</td>
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FINAL EXAMINATION

VI. CONTACT INFORMATION

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