

**WILLIAM PATERSON UNIVERSITY
COTSAKOS COLLEGE OF BUSINESS
DEPARTMENT OF ECONOMICS, FINANCE AND GLOBAL BUSINESS
BUSINESS STATISTICS II, ECONOMICS 2110
DR. MALINDRETOS
COURSE OUTLINE –**

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.

Douglas A. Lind, William G. Marchall and Samuel A. Whaten, Statistical Techniques in Business and Economics, 1McGraw Hill, 2018.

ISBN 9781259666360

IV.EXAMINATIONS

A. Evaluation

1.First Test		33%.
2.Second Test	I	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

<u>Week</u>	<u>Chapters</u>	<u>Topic</u>
1	10-12	One Sample Tests of Hypothesis; Two Sample tests of Hypothesis; Analysis of Variance
	13-14	Correlation and Linear Regression Multiple Regression
First Test		
2	15-16	Non-Parametric Methods: Nominal Level Hypothesis Tests; Non-Parametric Methods : Analysis of Ordinal Data
Second Test		
3	17-18	Index Numbers; Time Series/Forecasting

FINAL EXAMINATION

VI.CONTACT INFORMATION

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