

ECONOMICS 2613
Empirical Analysis in Business and Economics 1
Winter 2018

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Office Hours: Wednesdays and Fridays 10:30am to 12 noon, or by appointment.

Course Description

This course aims to provide an introduction to empirical analysis in Economics and Business making extensive use of Microsoft Excel. Topics include both descriptive and inferential statistics, culminating in hypothesis testing and an introduction to regression analysis. Note: Credit cannot be obtained for both Econ 2613 and Math 1213.

Textbook (required, available at the bookstore)

Choice #1: *Statistics for Managers: Using Microsoft Excel, 7th edition by Levine, Stephan, and Szabat.*

Choice #2: *Business Statistics: A First Course, 7th edition by Levine, Stephan and Szabat.*

Supplementary Workouts (highly recommended)

Buy it at the Economics Department main office, BAC 338.

Special Accommodations

If you are a student with a documented disability who anticipates needing supports or accommodations, please contact Dr. Abu Kamara, Coordinator, Accessible Learning Services at 902-585-1291, abu.kamara@acadiu.ca or Kathy O'Rourke, Disability Resource Facilitator at 902-585-1823, disability.access@acadiu.ca. Accessible Learning Services is located in Rhodes Hall.

Please note:

The last day to drop and receive a W is Friday, March 2, 2018.

Grading

Final Exam	40% (to be scheduled by the Registrar's office)
Midterm Test 1	25% (Wednesday, February 14)
Midterm Test 2	25% (Wednesday, March 21)
4 Surprise Quizzes	10%

All midterm tests and quizzes will be held in class. Missed tests or quizzes will not be made up for any reason. If you have a legitimate reason for missing a quiz, please speak to me about alternative arrangements.

Exam Format

Exam, tests and quizzes contain only problem-solving type of questions. You are allowed to access Excel and Lecture Notes (ppt) during all tests and quizzes.

A Brief Outline of Topics

Introduction

Why Learn Statistics?
Data Collection and Presentation
Numerical Descriptive Measures

Probability Theory

Basic Probability Concepts
Some Important Discrete Probability Distributions
Normal Distribution and Other Continuous Distributions

Sampling and Sampling Distributions

Confidence Interval Estimation

Hypothesis Testing

One-Sample Tests
Two-Sample Tests

Simple Linear Regression