

Brief Course Outline

Course Title: **Intermediate Econometrics I**

Course Number and Section:

ECONOMIC

2222A 550

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:

This course is designed to introduce students to statistical and econometrics methods needed in economics. We begin the term with some introduction to data in statistics. We proceed with explaining descriptive statistics such as mode and median. Then, we will move to probability and probability distributions. Sampling, confidence intervals, hypothesis testing, simple and multiple regressions, and more advanced topics on regression analysis such as heteroskedasticity will also be covered in this course conditional on the amount of time that we have. In order to help students to develop analytical and quantitative skills to handle economic problems with data analysis, a considerable amount of practice questions will be solved during each lecture.

Learning Outcomes:

Learn descriptive statistics
Learn probability and sampling distribution
Learn confidence interval and hypothesis testing
Gain analytical and quantitative skills for economic problems

Textbooks and Course Materials:

Paul Newbold, William Carlson, and Betty Thorne, Statistics for Business and Economics

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Assignment		25%
Midterm Exam		35%
Final Exam		40%

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.

Friday, August 9, 2024