

Brief Course Outline

Course Title: **Research Methods (Winter Semester)**

Course Number and Section:

ECONOMIC

3313E 550

Instructor Name(s): Ian Herzog

Instructor Email(s): iherzog2@uwo.ca

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:

Economics 3313E is a full-year course designed to cultivate students' technical and quantitative abilities for applied economic research. The first term will start with a review of linear regression techniques and their application to real-world problems. A number of nonlinear regression functions will also be discussed. The first part of the course will conclude with a discussion of issues pertaining to the assessment of econometric analysis based on multiple regression. The second term introduces students to further topics in regression analysis with a focus on causal inference, research design, and methods for cross-sectional and panel data.

Learning Outcomes:

- Achieve proficiency working with the tools of applied econometrics, with a focus on methods for causal inference.
- Develop an understanding of the strengths and weaknesses of different observational and experimental research designs.
- Gain experience evaluating and interpreting quantitative studies in the social sciences.
- Engage in economic research through a term-long project that articulates an unanswered causal question, proposes a research design to answer that question, collects and analyzes relevant data, and presents results.
- Experience presenting economic research ideas and results, incorporating feedback, and discussing others' research.

Textbooks and Course Materials:

Stock, James H., and Mark W. Watson. "Introduction to econometrics, 4th edition." Pearson, 2019

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Winter Exam		12.5

Assignment	Due Date mm/dd/yy	Weight - %
Winter Project Proposal		2.5
Winter Project Progress Report		2.5
Winter Project Presentation		10
Winter Project Written Report		17.5
Classroom contributions		5

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

Thursday, August 29, 2024