

Brief Course Outline

Course Title:

Research Methods

Course Number and Section:

ECONOMICS

3313E 550

Instructor Name(s):

Ozden Sungur

Instructor Email(s):

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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:

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 and research design.

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 - % |
|-------------------|-------------------|------------|
| Midterm I | TBD | 15 |
| Research Proposal | TBD | 10 |

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

Monday, August 18, 2025