**Carleton University Department of Economics**
<u>Fall 2024</u>
ECON 5029
**Methods of Economic Research**

<div style="border:2px solid black; background:red; color:white; text-align:center; font-weight:bold;">The Instructor</div>

**Instructor**: Minjoon Lee
**Email Address**: minjoon.lee@carleton.ca
(Please include "Econ 5029" in the subject line.)
**Office Location**: LA D892
**Office Hours**: W 10:05 – 11:25

<div style="border:2px solid black; background:red; color:white; text-align:center; font-weight:bold;">The Course</div>

**Course Delivery**: In person
**Course Day and Time**: Tu 8:35 – 11:25

**TA**: TBD
**Email Address**: TBD
**Tutorials**: TBD
**Office Location**: TBD
**Office Hours**: TBD

**Brightspace Course Page**: https://brightspace.carleton.ca/d2l/home/288679

<u>Course Description</u>
This course is designed to help students produce a research paper. In the lectures, students will learn how to find a good research question, process data, present outcomes, and write a paper. The lectures will also cover various tools for empirical analysis. In the tutorials, students will learn how to use R, a free programming language for statistical analysis.

<u>Learning Outcomes</u>
Students are expected to learn how to form their own research questions based on a good understanding of the literature on the topic of interest; find suitable data sets and empirical strategies; present their work in presentations and research papers; provide constructive feedback to peers' work.

**Prerequisites**

ECON 5020 (ECON 5000 if taken before 2012-2013, ECON 5001 if taken before 2007-2008) and ECON 5027 (ECON 5005 if taken before 2012-2013), or permission of the Department.

**Preclusions**

Precludes additional credit for Econ 5006 (no longer offered).

**Course Calendar (tentative)**

| Week | Content |
|------|---------|
| 1 (Sep 10) | How to write a research paper |
| 2 (Sep 17) | Data cleaning and preliminary analysis |
| 3 (Sep 24) | OLS review |
| 4 (Oct 1) | Non-standard dependent variables |
| 5 (Oct 8) | Time-series analysis |
| 6 (Oct 15) | Time-series analysis |
|  | Fall Break |
| 7 (Oct 29) | **Research proposal presentations** |
| 8 (Nov 5) | Identification strategies |
| 9 (Nov 12) | Identification strategies |
| 10 (Nov 19) | Machine-learning for forecasting |
| 11 (Nov 26) | **Research paper presentations** |
| 12 (Dec 3) | **Research paper presentations** |

## Textbooks and Readings

**Texts**

This course does not have a required textbook. Some readings may be assigned during the course.

## Evaluation

**Evaluation**

| Assignment | Date | Mode of Delivery | Percentage of Grade |
|------------|------|------------------|---------------------|
| Research question | September 29 | Brightspace | 10% |

| | | | |
|---|---|---|---|
| Research proposal presentation | October 29 | In-person presentation | 20% |
| First draft of research paper | November 24 | Brightspace | 15% |
| First draft presentation | November 26, December 3 | In-person presentation | 15% |
| Referee report | December 6 | Brightspace | 10% |
| Final draft of research paper | December 18 | Brightspace | 30% |
| | | | Total: 100% |

**In this course, any use of generative AI tools (e.g., ChatGPT) to produce assessed content is considered a violation of academic integrity standards as per our statement on plagiarism.**

Group work, where the maximum number of members in each team is two, may be allowed depending on the size of the class.

If you need an extension for any of the assignments, please email me as soon as possible to discuss rescheduling. I reserve the right to request a Self-Declaration form or PMC letter of accommodation depending on the length of incapacitation. As it is required that all course evaluations be submitted in order to have good standing in this course, failure to submit an assignment will result in withdrawal or a failing grade for this course. No late submissions will be accepted unless arrangements are made in advance.

Satisfactory Performance Criteria
Students must fulfill all of the course requirements in order to achieve a passing grade (D- or higher).

Standing in a course is determined by the course instructor, subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

## Plagiarism, Resources and Mental Health, Academic Accommodations

You are responsible for reading and knowing the information about plagiarism, Carleton University resources, and academic accommodations found HERE.