

# ECON 482 A: Econometric Theory And Practice

Summer 2023

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**Course website:** <https://canvas.uw.edu/courses/1643351>

**Lecture:** Monday and Wednesday, 8:30 – 10:40 AM, <https://washington.zoom.us/j/93557820932>

**Instructor:** Jungyoun Kim

**Email:** kimjy7@uw.edu (please use for non-course material related questions)

**Office Hours:** TBD

**Discussion Board:** All course material related questions are to be posted on Piazza: <https://piazza.com/washington/summer2023/econ482a>

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**Disclaimer:** This syllabus is tentative and may be subject to change.

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## Course Description:

This course will discuss the statistical methods for estimating economic relationship and testing theories. We will focus on the regression analysis: estimation and inference. This course is an online only course with live lectures on class day. Lectures will be recorded and accessible via Canvas.

## Tentative Course Outline:

- Review of Basic Statistic Concepts
- Single Linear Regression
- Multiple Linear Regression
- The Principle of Hypothesis Testing
- Instrumental Variables and Two-Stage Least Squares
- Heteroscedasticity and Autocorrelation

## Prerequisites:

Minimum grade of 2.0 in ECON 300; either ECON 311/STAT 311, MATH 390/STAT 390, or Q SCI 381.

**Textbook:** Wooldridge, Introductory Econometrics: A Modern Approach, 7th Edition (*any version would suffice.*)

## Course Materials:

Lecture notes would be provided weekly. They are based on the Textbook so it is highly recommended to read along the course schedule and try exercises accordingly.

**Grading Policy:** Homework (25%), Exam (75%)

- Homework: There will be 4 homework sets, each respectively due at 11:59pm on 7/5, 7/12, 8/2, and 8/9. You are to submit one pdf file via Gradescope and correctly assign the pages to the corresponding problem.
- Exam: There will be two exams. All exams will take place live during class time. You should have a camera showing your workspace and a microphone available. Your exams are collectively worth 75% of your grade; The midterm exam is worth 35%, the final exam is worth 40%. All exams are cumulative, but each exam will be heavily based on material covered after the previous one. Detailed information will be posted on Canvas.

Exam date: (Subject to Change)

- Midterm: Wed, Jul 19, 8:30 - 10:20 AM via Zoom
- Final exam: Wed, Aug 16, 8:30 – 10:20 AM via Zoom.

**Grading Scale:**

The grades in this class are curved (the total percentage on Canvas will not be directly reflecting your GPA). The median of our class will 3.0. In order to observe the consistency in grades across Econ 482 courses, I will follow the grading guideline of the department. For example, the percentage earning a 4.0 or 3.9 grade could be roughly around 7%-8% of students in the course.

**Late Policy And Make-up Exams:**

Late homeworks will be accepted with a 20% penalty deduction per day (i.e. if the date changes, it will count as one day).

No make-up exams will be given, except for cases with unavoidable cause, and in such case, you should contact me immediately. If you do not send any notification of such event and miss the exam, you will get zero points for said exam.

Examples of unavoidable cause include death or serious illness in the immediate family, illness of the student, and, provided previous notification is given, observance of regularly scheduled religious obligations, and might possibly include attendance at academic conferences or field trips, or participation in university sponsored activities such as debating contests or athletic competition.

**Academic Honesty:**

Exams are individual work and cheating will not be tolerated. If a student is seen committing this act, they will be referred to the Office of Student Conduct on campus for a hearing. Cheating of any kind may result in expulsion from the University. The Department will follow University policy in case of academic misconduct. I strongly recommend that you review the Dept. of Economics policy at: <https://econ.washington.edu/policy-academic-conduct>

Students found to have engaged in academic dishonesty will be subject to sanctions, which range from a disciplinary warning to permanent expulsion from the University, depending on the seriousness of the misconduct.

**Religious Accommodation Policy:** Washington state law requires that UW develop a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The UW's policy, including more information about how to request an accommodation, is available at Religious Accommodations Policy (<https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/>). Accommodations must be requested within the first two weeks of this course using the Religious Accommodations Request form (<https://registrar.washington.edu/students/religious-accommodations-request/>).

**Access and Accommodations:**

Your experience in this class is important to me. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law. If you have already established accommodations with Disability Resources for Students (DRS), please activate your accommodations via myDRS so we can discuss how they will be implemented in this course.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), contact DRS directly to set up an Access Plan. DRS facilitates the interactive process that establishes reasonable accommodations. Contact DRS at <https://disability.uw.edu>.