

ECO 5427: Econometric Analysis 2

Syllabus

Spring 2025

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Office Hours: Thursday, 4:00-5:00pm, in Matherly 331

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Office Hours: Office Hours: Monday 3:00-4:00pm, Matherly 301A

Course Time and Location

Meeting Times: M, W | Period 5-6 (11:45am-1:40pm)

Location: Matherly Hall 112

Course Description

This course is built on the ECO 5426 Econometric Analysis I. Following an introduction to research design for analyzing data in economics, in this course students will have a hands-on experience with a focus on issues in empirical microeconomics and public policy analysis. Students will design and conduct their own research projects, applying econometric models to real-world data. The course emphasizes key aspects of empirical analysis, including research design, data gathering, cleaning, coding, and the creation of tables and graphs to present findings.

This course is a project and presentation based class. The main goal of this course is to teach students how to conduct empirical analysis. The main focus will be on producing their own data analysis. Throughout the semester, students will present their work to the class, receive constructive feedback from peers, and develop the ability to critically evaluate others' projects. By the end of the course, students will have practical experience in empirical research. They will also gain experience in presenting the results of their data analysis to an audience as well as gaining the ability to evaluate projects and providing constructive feedback.

Class Modality

This is a fully in-person course. Lectures will not be streamed nor recorded. All student presentations will take place in person, during our scheduled class times. The course does not have exams, but it does have several paper submissions and attendance requirements.

Course Website: Canvas

Course Website: [Canvas](#)

First two weeks of classes, we will discuss paper and data resources which will help you conduct your own project. The material discussed will be available on Canvas. You will submit all your assignments through Canvas. You will also be responsible for every announcement posted on Canvas. Please check the web page regularly.

Office Hours

In addition to the regular office hour every week, I will also be available to schedule individual office hours to discuss any individual concern or academic and professional questions outside of the course material. You can send me an email to schedule meetings.

Software

This course includes an applied component requiring the use of R software. Prior knowledge of R is a prerequisite, and students will use R for their project work.

Download and Install R and RStudio from <https://posit.co/download/rstudio-desktop/#download>.

It is recommended that you install R and RStudio Desktop (both free and open source) on your personal computer. If for some reason that is not convenient for you, R and RStudio are installed on many computers around campus (e.g., Marston Science Library), as well as on UF apps: <https://info.apps.ufl.edu/published-applications/>.

If you have a strong preference to use Stata, please discuss this with the instructor during the first two weeks of classes.

Tentative Course Schedule

During the first two weeks of class, we will meet in the regular classroom at the scheduled times. From January 27 to February 12 and from March 3 to March 26, there will be no regular class meetings. Instead, I will hold individual in-person meetings during class times for those who would like to discuss their ideas, progress, or challenges. These meetings will take place in our usual classroom.

You will have the option to book a 15-minute time slot for these meetings, though walk-ins are welcome if slots are not fully booked. I encourage you to take advantage of this opportunity for individualized feedback and guidance.

Week 01 Jan. 13 - 15	CLASS MEETINGS: Syllabus and Guidance
Week 02 Jan. 22	CLASS MEETINGS: Resources and Examples
Week 03 Jan. 27 - 29	NO CLASS MEETINGS: Individual meetings for projects
Week 04 Feb. 3 - 5	NO CLASS MEETINGS: Individual meetings for projects
Week 05 Feb. 10 - 12	NO CLASS MEETINGS: Individual meetings for projects
Week 06 Feb. 17 - 19	Presentations of Proposal(Attendance is required)
Week 07 Feb. 24 - 26	Presentations of Proposal(Attendance is required)
Week 08 Mar. 3 - 5	NO CLASS MEETINGS: Individual meetings for projects
Week 09 Mar. 10 - 12	NO CLASS MEETINGS: Individual meetings for projects
Week 10	SPRING BREAK
Week 11 Mar. 24 - 26	NO CLASS MEETINGS: Individual meetings for projects
Week 12 Mar. 31 - Apr. 2	Presentations of Project(Attendance is required)
Week 13 Apr. 7 - 9	Presentations of Project(Attendance is required)
Week 14 Apr. 14 - 16	Presentations of Project(Attendance is required)
Week 15 Apr. 21 - 23	Presentations of Project(Attendance is required)

Grading

Grades will be calculated based on the following components:

Proposal	20%
Proposal Presentation	10%
Final Project (paper)	30%
Final Project Presentation	15%
Code	10%
Participation	15%
Total	100 %

Proposal

Each student will submit a proposal outlining the topic, research design, and methodology for their project. Important: You need to make sure that your project is feasible. A good/feasible proposal requires: (1) Making sure you can answer your question using the econometric model we learned in ECO 5426 and (2) Having the data required to conduct your data analysis (enough variables and observations).

Your proposal should include: (a) an introduction that motivates the project, (b) a short literature review, (c) the economic theory and econometric model you're going to use, (d) a description of your sample data, dependent and independent variables, (e) provide the economic analysis that underlies your prediction about the effect of the independent variable on your dependent variable.

Please discuss your topic with me before you start writing your proposal. You're REQUIRED to attend individual meeting at least once during Jan. 27 - Feb. 12.

Proposal Presentation

You will deliver a 5–7 minute presentation of your proposal in class using slides. Presentations will include a brief Q & A session to gather feedback from peers. One of the main purpose of presenting your work is to engage in a discussion with your classmates during which they can provide you with feedback to help improve your paper.

All students will submit their proposals and slides by Feb.16 23:59pm

Final Project (paper)

Your final project will involve writing a paper that expands upon your proposal. In addition to your proposal, you will proceed to the results you are presenting which should be at least one descriptive table and a regression result summary table presenting your main findings. Last but not least, you will write the conclusion of the paper. In the concluding remarks, you will discuss the potential problems of the identification strategy and possible improvements for further research.

Final Project Presentation

You will present your final project in a 15-20 minutes presentation, followed by a Q & A session. Active participation during these presentations is required to receive full credit for participation.

As for grading, it will be graded based on quality, correctness, and presentation performance and not based on simply completion. The presentation's clarity, time use, organization of slides will be also an important part of the grade.

Code

You will need to submit a separate RMarkdown file for your code (like what you did in ECO 5426).

All students will submit their final project, code and slides by March 30 23:59pm

Attach all of your work on additional sheets if necessary. All submissions should be typed and submitted work should be organized and well-structured.

Participation

You will receive full credit on class participation when you (1) attend at least one individual meeting for your proposal during Jan. 27 - Feb. 12 and (2) Attend all presentations. (3) Ask questions/give comments at least once at every class during Mar.31 - Apr.13.

Engaging in thoughtful discussions and constructive feedback is a key component of the research process. Extra credit will be awarded for high-quality contributions.

Final grades in this course will be based on the completeness and correctness of the proposal, final project paper, code, and presentation. Detailed rubric for each of these assignments will be provided during the semester.

Grades will be rounded to the nearest percentage point and you will obtain your letter grade accordingly. Your final letter grade will be determined as follows:

A	92.00 – 100
A-	90.00 – 91.99
B+	88.00 – 89.99
B	82.00 – 87.99
B-	80.00 – 81.99
C+	78.00 – 79.99
C-	70.00 – 71.99
D+	68.00 – 69.99
D	62.00 – 67.99
D-	60.00 – 61.99
E	0 – 59.99

The scale listed above is firm. Final course grades will not be rounded. Students should assume that 91.99 is followed by an infinite number of nines and is an A-. The rest of the cut-offs follow accordingly.

Important Dates for Submissions

	Due Date	Submission
Proposal and Slides Submission	Feb.16 23:59pm	via Canvas
Proposal Presentation	Feb.17 - 26	Randomly assigned
Final Project, Code and Slides Submission	Mar.30 23:59pm	via Canvas
Final Project Presentation	Mar.31 - Apr.23	Randomly assigned

Make-up assignments will be arranged ONLY for absences that are explicitly covered by the UF Attendance Policy (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>). Unforeseen absences and emergencies occur and can be excused without such advance notice. In most cases, you will be asked to provide evidence or documentation of an absence that is explicitly excused by the UF Attendance Policy. Absences related to religious holidays and worship do not require this documentation.

Course Resources

When working on your project, you may encounter various challenges. To address these, you have several options: conducting web searches, contacting me or the TA via email, or visiting us in person. Additionally, you are encouraged to attend individual meetings with the instructor, specifically dedicated to resolving project-related issues. The TA's office hours are also available for assistance.

You will have multiple opportunities to seek help throughout the process, including selecting your topic, conducting data analysis, and preparing presentations. Before bringing questions to individual meetings or office hours, make a genuine attempt to work through the issue. Be prepared to discuss your problem by bringing relevant materials, such as the dataset you're using, the code you've written, screenshots of your work, or any error messages you've encountered.

Course Policies

Changing your presentation dates

Students are generally not permitted to change their presentation dates or deadlines. It is essential to plan your time effectively to ensure you meet the required deadlines. However, I reserve three slots on the final possible presentation date for students who are unable to meet their original deadlines.

Professionalism and Honor Code

Students are bound to not cheat or plagiarize, and are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: 'On my honor, I have neither given nor received unauthorized aid in doing this assignment.'"

You should familiarize yourself with the UF Student Honor Code (<https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>). Cheating and plagiarism are not the only violations of this policy. Making false or misleading statements to procure an improper academic advantage, failing to properly cite quotations, and unauthorized collaboration or consultation of resources are also violations. Importantly, ignorance of a policy is not a valid reason for violating it.

Generative Artificial Intelligence

The Department of Economics faculty assume that all work that is submitted for grading is written by the student whose name it bears, and that it represents their ideas and work. Accordingly, students are not permitted to use generative AI when completing assignments, quizzes, exams, or other graded work unless their instructor has expressly granted that permission. Unauthorized use of generative AI may constitute cheating and/or plagiarism. Such violations of the UF Student Honor Code will be reported to the UF Dean of Students Office and will be subject to severe sanctions.

Students Requiring Accommodations

Students with disabilities requesting accommodations should first register with the Disabilities Resource Center (392-8565; <https://disability.ufl.edu/>), providing appropriate documentation. Once registered, students will receive an accommodation letter that can be presented to the instructor when requesting accommodations. Please register at the beginning of the course if seeking accommodations.

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Students will be notified when the evaluation period opens, and can complete evaluations through the email they

receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluer.com/ufl/.

UF Teaching Center

The UF Teaching Center offers guidance on study skills and tutoring services. You can find more information at: <https://umatter.ufl.edu/office/teaching-center/>.

Health Counseling and Emergencies

U Matter, We Care If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS) : Student Health Care Center, 392-1161.

University Police Department: at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>.