

Professor: Sujana Kabiraj  
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Office hours: Tuesday 12-1:30, Wednesday 12-1, Thursday 12-1:30, or by appointment.

Class Meetings: MW from 2:00 to 3:15 in CCC 214.

Attendance is not mandatory. Regular attendance, however, is strongly and positively correlated with final course grades and thus highly recommended. You are responsible for all material covered in class so if you are absent, make sure to copy the notes from someone. If you have any questions after looking over the notes and doing the required readings, come see me during my office hours.

Course Description: This course will introduce you to the basic ideas of econometrics, with a focus on the regression analysis. We will discuss regression analysis, hypothesis testing, choosing econometric variable and functional form, multicollinearity, serial correlation, heteroskedasticity, as well as other topics. After the course you should be able to apply linear regression model to economic data as well as analyze the outcome of such models.

After completing the course students should be able to:

- Define OLS and its assumptions
- Apply linear regression model to analyze economic data
- Run multiple regressions in SPSS or Stata
- Analyze the outcome of multiple regression models

Required Text: **A.H. Studenmund.** Using Econometrics a practical guide, **7th edition.** Pearson

Software requirement: SPSS (available in the computer labs)

School of Business and Economics Mission and Course Outcomes: The UWSP School of Business & Economics educates and inspires students and prepares graduates for success in positions of leadership and responsibility. We serve the students, businesses, economy and people of the greater Central Wisconsin region. Our students achieve an understanding of regional opportunities that exist within the global economy.

Course Requirements: The course grade will be determined as follows:

Midterm exam:	30%
Final exam: Wednesday, Dec 20, 10:15AM - 12:15PM	30%
Term paper:	25%
Assignments: (D2L , will be announced)	15%
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	100%

Exams: There is one midterm exams and a final exam. Exams will emphasize analytical and problem solving skills and will cover the textbook chapters covered as well as any additional material presented in class. The final exam is not comprehensive but the knowledge of the former chapters should be important tool for the final. Makeup exams will not be offered without a university sanctioned excuse. Approval for a makeup must be obtained before the date of the exam and should not be taken as given.

Term paper: Main focus of this course is to provide practical guidance of econometric methods through hands on experience. The term paper should consist of data summary, economic model, regression tables, hypothesis testing and analysis of the outcome. Any kind of publicly available data is permissible (does not need to be economic variables). The draft paper will be due two weeks before the final exam and the final paper will be due one week before the final exam.

Assignments: assignments will be posted online on D2L throughout the course. Assignments are designed to offer hands-on practice with the material and the software (SPSS). There will be partial markings for partly correct answers. The assignments should be submitted through D2L on or before the due date.

Grading Scale: Letter grades are determined as follows:

A:	grade $\geq$ 93%	C:	77% > grade $\geq$ 73%
A-:	93% > grade $\geq$ 90%	C-:	73% > grade $\geq$ 70%
B+:	90% > grade $\geq$ 87%	D+:	70% > grade $\geq$ 67%
B:	87% > grade $\geq$ 83%	D:	67% > grade $\geq$ 63%
B-:	83% > grade $\geq$ 80%	D-:	63% > grade $\geq$ 60%
C+:	80% > grade $\geq$ 77%	F:	60% > grade

This schedule may be adjusted but only in favor of the students as a group.

**Any suspected academic misconduct on either an assignment or an exam will be dealt with under the appropriate University procedures.**

Students with Disabilities: Students with learning or other disabilities should contact the Office of Disability Services during the first two weeks of the semester if they wish to request accommodation.

Religious Beliefs: Religious beliefs will be accommodated according to UWS 22.03 as long as the student notifies me of the specific days or dates within the first three weeks of the beginning of classes.

General Information: I understand that things happen that prevent people from getting to class on time, myself included. As such, occasional late entrances are not a problem, and I would rather have you attend class than not. However, habitual tardiness will not be tolerated. In exams, late arrivals will not be given extra time. It is also understandable that people occasionally forget to turn off their cell phones before coming to class. Again, occasional instances are not a problem but do your best to turn off your phone before entering class. Students can use laptops in the class to take notes. Recreational use of laptops and pads are strictly discouraged.

Student Rights and Responsibilities: UWS/UWSP Student Academic Standards and Disciplinary Procedures: <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf#page=11>.

ECON 310 – tentative course outline (subject to change by the instructor)

9/6/2017	Wednesday	Intro & Overview	chap 1
9/11/2017	Monday	Overview of regression analysis	chap 1
9/13/2017	Wednesday	Ordinary least square	chap 2
9/18/2017	Monday	Ordinary least square	chap 2
9/20/2017	Wednesday	Ordinary least square	chap 2
9/25/2017	Monday	Using regression	chap 3
9/27/2017	Wednesday	Using regression	chap 3
10/2/2017	Monday	The classical model	chap 4
10/4/2017	Wednesday	The classical model	chap 4
10/9/2017	Monday	The classical model	chap 4
10/11/2017	Wednesday	Hypothesis testing and inference	chap 5
10/16/2017	Monday	Hypothesis testing and inference	chap 5
10/18/2017	Wednesday	Hypothesis testing and inference	chap 5
10/23/2017	Monday	Exam 1	
10/25/2017	Wednesday	Choosing independent variable	chap 6
10/30/2017	Monday	Choosing independent variable	chap 6
11/1/2017	Wednesday	Choosing functional form	chap 7
11/6/2017	Monday	Choosing functional form	chap 7
11/8/2017	Wednesday	Multicollinearity	chap 8
11/13/2017	Monday	Multicollinearity	chap 8
11/15/2017	Wednesday	Serial correlation	chap 9
11/20/2017	Monday	Serial correlation	chap 10
11/22/2017	Wednesday	Heteroskedasticity	chap 11
11/27/2017	Monday	Heteroskedasticity	chap 11
11/29/2017	Wednesday	Discussion about the term paper	
12/4/2017	Monday	Time series models	chap 12
12/6/2017	Wednesday	Time series models	chap 12
12/11/2017	Monday	Time series models	chap 12
12/13/2017	Wednesday	Review (term paper due)	
12/20/2017	Wednesday	Final exam	