

ECON 333.01
Econometrics
MWF 1:00pm-1:50pm
McCom 235

Dr. Ron Baker
325 McComsey Hall
717-872-3560
ron.baker@millersville.edu

Office Hours: Tues 9am-11am
Wed 3pm-4pm
Thurs 9am-11am
By appointment

Required Text: *Using Econometrics: A Practical Guide* 5th ed. by A. H. Studenmund. Pearson Addison-Wesley 2005

Internet Resources (Blackboard): <http://muweb.millersville.edu/~muonline>

Course Objective: Econometrics is the branch economics that uses data to analyze economic relationships. Most economic data come from uncontrolled social experiments that take place every day in the economy. The purpose of this course is to provide a simple, but comprehensive introduction the body of statistical methods that are used to analyze data that come from uncontrolled experiments, and illustrate how these methods are applied in empirical research in economics, without using complex mathematics or calculus. The focus of this class is on the development and application of the classical linear regression model. You will learn methods for estimating and testing hypotheses about the parameters of the classical linear regression model, as well as a basic understanding of model specification issues. The emphasis of this class is on practical application and computer implementation. To implement the methods and techniques covered in lecture, we will be using *Microsoft Excel*.

Grading System: There will be a total of 500 points allocated to various assignments and exams. The total points for each assignment are as follows:

Homework Assignments—100 points total
--4 assignments of 25 points will be given
Research Project—100 points
Exam 1 (2/29)—100 points
Exam 2 (4/5)—100 points
Final (5/9)—100 points

Specific information about the research project will be forthcoming. Regular class attendance and participation is expected throughout the semester.

Grading Distribution:

93%-100%	A	80%-82%	B-	67%-69%	D+
90%-92%	A-	77%-79%	C+	63%-66%	D
87%-89%	B+	73%-76%	C	60%-62%	D-
83%-86%	B	70%-72%	C-	below 60%	F

Note: Scores will be rounded up at .5 or more and rounded down at .49 and lower. For example, a percentage of 89.5 will be rounded to 90, and a percentage of 89.49 will be rounded down to an 89.

Grades will be updated through Blackboard.

Class Policies

- There will be three homework/computer assignments throughout the semester. Assignments will consist of questions that require computer work and questions that do not require computer work. Questions involving computer work will require you to use *Microsoft Excel* to perform data analysis. For each day a homework is late, 7 points will be deducted from your score.
- If you have a documented, verifiable emergency (serious illness, death in the family) that will cause you to miss an exam, let me know as soon as possible. An unexcused absence will result in a grade of zero. In the case of an excused missed exam, the score on the final exam will also count for the score on the missed exam.
- I follow the policy outlined in the Student Handbook with regard to cheating and academic dishonesty (<http://muweb.millersville.edu/~govern/sect3/acaddis.html>). A grade of zero will be given to any assignment or exam on which the student is guilty of cheating, the incident will be reported, and further actions ranging from a written reprimand to expulsion will be taken.
- If you have any special needs documented by the Office of Learning Services, it is your responsibility to contact me by January 30 to ensure those needs are met.
- I will only use marauder email to send messages to the class. Please check your marauder email often, or have your marauder email forwarded to your everyday email address.
- I will not tolerate any classroom disruption. Disruption includes but is not limited to: arriving late, packing up and leaving early, reading the newspaper, and any cell phone/PDA use. Further, when not using the computer in class, PLEASE TURN OFF THE MONITOR. I reserve the right to dismiss you from class for repeated disruptions. Treat your classmates and I with respect and respect will be given to you.

Tentative Semester Schedule

Week 1: (1/16 – 1/20)	Ch. 1 What is Econometrics?
Week 2: (1/23 – 1/27)	Ch. 16 Statistical Principles
Week 3: (1/30 – 2/3)	Ch. 2 Ordinary Least Squares
Week 4: (2/6 – 2/10)	Ch. 3 Learning to Use Regression Analysis
Week 5: (2/13 – 2/17)	Ch. 11 A Regression User's Handbook
Week 6: (2/20 – 2/24)	Ch. 4 The Classical Model
Week 7: (2/27 – 3/3)	Ch. 5 Hypothesis Testing (Note: Exam One 2/29)
Week 8: (3/6 – 3/10)	Ch. 6 Specification: Choosing the Independent Variables (Note: Christie Lecture 3/6 7:30pm Lyte Auditorium)

Week 9: Spring Break
(3/13 – 3/17)
Week 10: Ch. 7 Specification: Choosing a Functional Form
(3/20 – 3/24) (Note: Last Day to Withdrawal for Automatic W is 3/24)
Week 11: Ch. 8 Multicollinearity
(3/27 – 3/31)
Week 12: Ch. 9 Serial Correlation
(4/3 – 4/7) (Note: Exam Two 4/5)
Week 13: Ch. 10 Heteroskedasticity
(4/10 – 4/14) (Note: Class Makeup Day 4/12)
Week 14: Ch. 12 Time Series Models
(4/17 – 4/21)
Week 15: Ch. 13 Dummy Dependent Variable Techniques
(4/24 – 4/28)
Week 16: Research Project Presentations
(5/1 -5/3)

Week 16: Final Exam Tuesday May 9 10:15am-12:15pm