Moravian College
Department of Economics and Business
Economics 256: Applied Econometrics
Fall 2013 (M W 7:30-8:40; 8:55-10:05)

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Office Hours: M W 4:00-5:00 PM, Tu 2:00-4:00 PM, and by appointment

Prerequisites: Economics 152 and 156

Text: A. H. Studenmund, *Using Econometrics,* Pearson/Addison Wesley, 2011, 6th edition.
Bring it to class every day!

Course Objectives
This course applies statistical techniques to economic models. Specifically, you will

- Review basic statistical concepts and notation
- Learn how to gather data
- Become familiar with the differences of Excel v. Minitab & SPSS
- Apply the classical regression model to different data sets
- Learn how to deal with different complications that arise in regression estimation, including self-selection and simultaneous determination
- Test hypotheses and evaluate the size of the effect

Requirements

Homework is due every time we finish a chapter. Additional HW is possible. Doing homework is the best way to learn the material—and some homework problems are on the exams! Every neat and completed homework counts for 0.5% of your grade; it is not graded.
I distribute or post answers to all HW, and I review selected HW problems in class.

Please turn in all HW before class time on the day it is due. I do **not** accept late HW.

- If you are doing HW with someone else, you must **acknowledge** any help received, or provided, by writing the other student's or tutor's name on your HW.
- If you fail to do the HW, your final grade will be two fractions of a grade lower. Moreover, you will struggle with the exams, which will endanger your grade.

Two **regression** projects consist of finding and analyzing your own publically available data. The simple regression project (due October 23) is a thorough review of ECON 156, and the multiple regression project (due November 14) incorporates the techniques from this course.

There are **two** quizzes and two **exams**. I provide all necessary formulas, but you must memorize the simplest ones. The take-home **final** is optional and can replace your lower quiz grade or half an exam grade. It consists of a project using techniques from Chapters 13 or 16. There are **no make-up exams.** If you miss a quiz or an exam, you must do the final project.

Phones and **leaving** the classroom are prohibited during any exam. **Calculators** are allowed.

Exam **dates:**	Quiz 1:	September 18 (Wednesday)
	Exam 1:	October 9 (Wednesday)

Exam **dates:**	Quiz 2:	November 7 (Wednesday)
	Exam 2:	November 20 (Wednesday)

Expectations

Some of you may find econometrics very challenging, but with diligence and dedication all of you can earn a good grade. I encourage you to see me during office hours, both alone and in groups. To ease your HW and exam preparation, I hand out notes; I post slides and make announcements on ***Blackboard***. Check the site regularly!

	Time per week	14 weeks	Hours
In-class time			30
Syllabus review			1
Reading	4		56
HW	3		42
Evening Reviews			5
Simple Regression Project			10
Multiple Regression Project			20
Final Project			10
Total			**174**

I usually **curve** the exams (up to 100%) to give half the class As and Bs (and half C or less).

Grading:	Homework.....	6%
	Simple Regression Project…..	10%
	Multiple Regression Project…	20%
	Two Quizzes……..	20%
	Two Exams…….....	44%

Grading Scale:

	93 - 100: A	90 - 92.99: A-	
87 - 89.99: B+	83 - 86.99: B	80 - 82.99: B-	
77 - 79.99: C+	73 - 76.99: C	70 - 72.99: C-	
67 - 69.99: D+	63 - 66.99: D	60 - 62.99: D-	00 - 59.99: F

Attendance Policy

I urge you to come to class regularly! Attendance does not enter your grade directly, but it has a large impact indirectly. It allows you to participate, learn from your classmates, and get a better sense of what is important. Moreover, the lectures and the text reinforce one another.

Academic Honesty Policy

I encourage you to study in groups and to discuss all homework, but you must write the names of all students in the group on your homework **and** you must write your own answers to earn any credit. If you work in groups, acknowledge it, yet provide the same answers, you earn one credit for the entire group. The following rule holds for both homework and exams: If you copy an answer from another student or if you let another student copy from you, you will receive **zero** for the whole assignment or exam. Note that the punishment is the same for both parties.
Beware of **plagiarism**! If you are lifting phrases (of more than three consecutive words) or entire definitions from the textbook, the web, or any other source, use quotation marks and provide the page number, the URL, or the source citation. If you fail to use quotes, you will get **zero** for the HW. Read the college academic honesty policy at
http://www.moravian.edu/studentLife/handbook/academic/academic2.html

Special Accommodations

Students who wish to request accommodations in this class for a disability should contact Elaine Mara, assistant director of learning services for academic and disability support at 1307 Main Street, or by calling 610-861-1510. Accommodations cannot be provided until authorization is received from the Academic Support Center.

Schedule

Week of:	Topics	Text
August 26	Regression Analysis	Chapter 1
September 2 (1 class)	Labor Day Ordinary Least Squares	 Chapter 2
September 9	Using Regression	Chapter 3
September 16	The Classical Model Quiz 1 (9-18-13)	Chapter 4 Chapters 1-3
September 23	Hypothesis Testing Data for simple regression (9-25-13)	Chapter 5
September 30	Choosing Variables Running Your Own Regression Project	Chapter 6 Chapter 11
October 7	Review Exam 1 (10-9-13)	Chapters 1-6 Chapters 1-6
October 14 (1 class)	Fall Break Choosing a Functional Form	 Chapter 7
October 21	Serial Correlation Simple regression (10-23-13)	Chapter 9
October 28	Multicollinearity Data for multiple regression (10-30-13)	Chapter 8
November 4	Heteroskedasticity Time-Series Models Quiz 2 (11-6-13)	Chapter 10 Chapter 12 Chapters 7-9
November 11	Dummy Dependent Variables Experimental and Panel Data Multiple Regression (11-14-13)	Chapter 13 Chapter 16
November 18	Review Exam 2 (11-20-13)	Chapters 7-13 Chapters 7-13
November 25	Thanksgiving Break	
December 2	Experimental and Panel Data Evaluations	Chapter 16

The syllabus is subject to change.