Fall 9-1-2001

ECON 460.01: Econometrics

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UNIVERSITY OF MONTANA
Economics 460: Econometrics
Section 1

Douglas Dalenberg
Office: LA 403 243-4406
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Fall 2001
MW 3:10 - 5:00
Classrooms: LA 205 & 206
4 Credits
CRN 70123

Text: Gujarati, Damodar N., Essentials of Econometics, Boston: Irwin McGraw-Hill, 2nd edition, 1999.

Prerequisite: An introductory statistics course.

Description and Objectives: This course is designed to develop undergraduate level competency in statistical regression methods with emphasis on applications in economics. The course will focus upon interpretation and testing of the results of econometric procedures. Computers will be used to assist the student in handling the complex empirical problems and to demonstrate the use of computers in business and research environments. The ultimate objective of the course is to familiarize the student with the regression technique used in business, forestry, and economics, and to develop a strong foundation for more advance applications of statistics to her or his field of study.

Grading:

The course grade will be based upon the student's performance on homework, a midterm exam, and a final exam. The weights for the course grade are:

Homework	10%
Midterm Exam	40% Wednesday, Nov. 8
Comprehensive Final Exam	50% Tuesday, Dec. 19 1:10 - 3:10

Parts of the exams are take home or are performed in the lab. Late homework is penalized, homework is considered late if I receive it after I have finished grading those assignments handed in during class. I use standard percentages for grades: 90% of the points earns an A, 80% earns a B, 70% earns a C, 60% earns a D and below 60% fails. If I curve exams or quizzes, the points are added directly to the exam or quiz score on the paper I return.

Graduate Increment:

Students taking this course for graduate credit are required to complete a graduate increment. During the semester I will assign some extra work as the graduate increment. This work consists primarily of reading some extra articles and writing a brief report concerning the content of the article.

Notes:

1. If my office hours conflict with your schedule, see me for an appointment or try to catch me in my office by chance.
2. Make-up exams will only be considered in exceptional cases and only if I am contacted before the exam.
3. Academic dishonesty will result in a score of zero for the assignment or exam in question.
4. The last day to add or drop classes is October 15.
5. You will need a high density 3.5" diskette.
6. We will use the computer program SHAZAM.
7. Be active! You have to do econometrics in order to learn econometrics.
8. The material builds on itself, if you feel like you are getting lost, seek help at once.

Schedule on back

EC 460 Fall 2001

Date	Day	Lect #	Hmk due	Topic	Reading
03-Sep	Mon	HOLIDAY			
05-Sep	Wed	1		Introduction - Motivation	ch 1
10-Sep	Mon	2		Statistical Review - Descriptive	ch 2
12-Sep	Wed	3		Statistical Review - Distributions	ch 3
17-Sep	Mon	4		Statistical Review - Testing	ch 4
19-Sep	Wed	5		Derive OLS	ch 5

24-Sep Mon	6		Multiple Reg, R-square, Interp.	chs 6,7
26-Sep Wed	7	Hmk 1 due	Normality, F test, t test	chs 6, 7
01-Oct Mon	8		t tests continued	ch 7
03-Oct Wed	9	Hmk 2 due	Testing continued	ch 7
08-Oct Mon	10		Review of Testing and Interp.	ch 7
10-Oct Wed	11	Hmk 3 due	Properties and Specification	ch 7
15-Oct Mon	12		Forecasting	ch 6.11
17-Oct Wed	13	Hmk 4 due	Specification and Functional Form	chs 7,8
22-Oct Mon	14		Functional Form	ch 8
24-Oct Wed	15	Hmk 5 due	Details, Intro to dummies	ch 9
29-Oct Mon	16		Dummy Variables - Basics	ch 9
31-Oct Wed	17	Hmk 6 due	Dummy Variables - Chow test	ch 7.12
05-Nov Mon	18		Review	ch 9
07-Nov Wed	19	MIDTERM	MIDTERM EXAM	
12-Nov Mon	HOLIDAY			
14-Nov Wed	20		Multicollinearity	ch 10
19-Nov Mon	21		Heteroscedasticity - Detected	ch 11
21-Nov Wed	HOLIDAY			
26-Nov Mon	22	Hmk 7 due	Hd - Detected and Outliers	ch 11
28-Nov Wed	23		Heteroscedasticity - Corrected	ch 11
03-Dec Mon	24	Hmk 8 due	Autocorrelation - Detected	ch 12
05-Dec Wed	25		Autocorrelation - Corrected	ch 12
10-Dec Mon	26	Hmk 9 due	Specification - measure err, RESET	ch 13
12-Dec Wed	27	Hmk 10 due	Specification - J test, PE test	ch 13
20-Dec Thu	28	FINAL	FINAL EXAM 1:10-3:10	