Economics 420 Econometrics

Spring 2013

Instructor: Prerequisites: Classroom: Classes: Office: Phone: e-mail: Office Hours:	Marshall Gramm Calculus (Math 115 or Math 121), Statistics (Econ 290) 033 Barret Library TuTh 11:00-12:15 (CRN 23273) 322 Buckman Hall 843-3122 gramm@rhodes.edu Monday 9:30-11:00, Wednesday 8:30-10:00 or by appointment Feel free to call or email anytime (except an hour before assignments are due)			
Course Objective:	Economics is the study of relationships among variables. Econometrics is the study of estimating these relationships, testing economic theories, and evaluating and implementing government and business policy. Students are expected to (1) develop an understanding of the single and multivariate linear regression method of estimationapplied to both cross-sectional and time-series data, (2) make inferences and test economic theories based on real-world data and (3) learn and implement the methods for addressing heteroskedasticity, autocorrelation, multicollinearity. I expect that at the end of this course you will be able to read and interpret scholarly Economics journals. Furthermore, you will have the tools to design and complete a research project for your senior seminar.			
Text:	Wooldridge, Jeffrey M., Introductory Econometrics: A Modern Approach, South-Western College Publishing			
Exams:	Exam #1 Exam #2 Final	Tuesday, February 19 th Thursday, April 18 th due Wednesday, May 1 st at 8am	(30%) (30%) (40%)	
Quizzes:	There may be random quizzes throughout the semester.			
Homework:	Problem Sets will be given and while they will not be collected, it is recommended that you work through them.			
Attendance Policy:	While I do not require attendance, I do expect you to come to class on time and forbid you from leaving early without notifying me in advance.			

Course Outline:	Weeks 1-3 Weeks 4-5 Week 6-7 Week 8-9 Week 10-11 Week 12 Week 13 Week 14	Simpl Multip Statist Mode Hetero Binary	bility and Statistics (Appendix) e Regression Model (Ch 2) ple Regression Model (Ch 3) tical Inference (Ch 4) l Specification (Ch 6, 7, 9) oskadasticity (Ch 8) y Dependent Variables (Ch 17) Series (Ch 10, 11)		
Stata:	Stata 12 is available in all the labs, but if you would like a personal copy you can order it directly from Stata Corp:				
	http://www.stata.com/coursegp.html				
	You can choose from a number of options:				
	Small Stata	2	32.00/six months		
	Small Stata 1	2	49.00/annual		
	Stata/IC 12		65.00/six months		
	Stata/IC 12		98.00/annual		
	Stata/IC 12		179.00/perpetual		
	Stata/SE 12		395.00/perpetual		
	Stata/SE 12		235.00/annual		
	I would recommend Intercooled Stata. Small Stata has too many limitations and Stata/SE is overkill. If you plan to go to graduate school, you may want to consider the perpetual license (Stata normally costs over \$600). Once again, Stata is available in the labs, so you do not have to buy the software if you don't want.				
	Enter MG420 when prompted for Course ID				