

## **Econometrics for Business (Econ4362.01)**

### **Spring 2018**

**Instructor:** Dr. Younoh Kim

**Office:** Smith Hutson Building 237L

**Email:** younoh@shsu.edu

**Phone:** 936-294-4231

**Office Hours:** TTH 3:30 pm– 5:00 pm, or by appointment

**Lectures:** Section 1: MW 9:30 am – 10:50 am, Room SHB 342

**Prerequisite:** BANA 3363 and ECON 3357 or FIN 3320

#### **Course Description**

This course focuses on the process of gathering and analyzing nonexperimental economic data. Cross-sectional, time series, and panel data will be analyzed using multiple regression techniques and results will be interpreted within an economics framework.

#### **Learning objectives**

In this course, the student will learn to:

- Understand types of data and be able to prepare data for analysis
- Understand regression analysis, perform tests on regression results, and interpret statistical significance
- Perform regression analysis using Excel
- Effectively communicate the results of data analysis

#### **Textbook**

Introductory Econometrics 6<sup>th</sup> edition by Wooldridge (ISBN: 9781305270107)

#### **Evaluation**

1) 2 midterms (20% each) = 40%

2) 4 assignments (the lowest grade will be dropped) = 25%

3) Final (comprehensive & mandatory) = 35%

- Final letter grades will be assigned based on the following scale:

A: 90-100%    B: 80-90%    C:70-80%    D:60-70%    F:0-60%

\*\*\* Note that the scores will not be rounded. For instance, if the final grade is 89.99%, you will receive a B, not an A.

**Assignments:** Assignments need to be turned in on time. Late submissions will not be accepted under any circumstances. <https://blackboard.shsu.edu/webapps/login/>

**Midterms and Final:** There will be no make-up exams without exceptions. Midterms will be taken only during regular class time. If you miss midterms for any emergencies (accidents, death of family members, surgery etc), the grade from your final might be reweighted to account for the missed exam. In this case, solid documentation should be provided. If you miss an exam without a valid excuse you will get a grade of ZERO.

If you miss all midterms, you will get an F in this course.

The final examination cannot be missed under any circumstances and should be taken during the final examination schedule set by the university. The exams will be closed book.

\*\* No student will be allowed to enter the classroom and begin the exam after the first student who finishes leaves the room.

**Calculator:** You are allowed to bring a calculator for all exams. However, calculators built into cell phones, PDAs, or other electronic devices are not allowed. Calculators cannot be shared during exams.

**Re-grading:** If you believe that there is a mistake in your grade, you can make a request to re-grade the exam/homework no later than a week after receiving your exam/HW. The entire exam/HW will be re-graded and there's always a chance that your grade might go down.

**Curve:** It is the instructor's right to decide to curve the grade or not. The curve (if there is one) will depend on the final class average and will only be determined at the end of the semester once all grades are in and I can compute the final average.

**Attendance:** Attendance will be taken each class. You'll be considered absent from a class session if you are not in attendance when the class starts, if you are not present when the roll is taken or if you leave without permission before the class is dismissed.

**Use of Telephones and Text Messagers:** The use by students of electronic devices that perform the function of a telephone or text messenger during class-time may be prohibited if deemed disruptive by the instructor to the conduct of the class. Arrangements for handling potential emergency situations may be granted at the discretion of the instructor. Failure to comply with the instructor's policy could result in expulsion from the classroom or with multiple offenses, failure of the course. Any use of a telephone or text messenger or any device that performs these functions during a test period is prohibited. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty.

<https://www.shsu.edu/dotAsset/6d35c9c9-e3e9-4695-a1a1-11951b88bc63.pdf>

## **Department of Economics and International Business**

- Facebook page: <https://www.facebook.com/groups/208741956458/>
- Webpage: <http://www.shsu.edu/academics/economics-and-international-business/>

### **Academic Dishonesty**

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. For a complete listing of the university policy, see: <http://www.shsu.edu/dept/dean-of-students/index.html>

\*\* This course has a zero tolerance policy for cheating. Any student found cheating will receive an F in the course and be directed to the appropriate University authorities.

### **Student Absences on Religious Holy Days Policy**

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Section 51.911 (a) (2) defines a religious holy day as: "a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20...." A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see: </dept/academic-affairs/documents/aps/students/861001.pdf>

### **Students with Disabilities Policy**

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail [disability@shsu.edu](mailto:disability@shsu.edu)). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired. SHSU adheres to all applicable

federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dotAsset/7ff819c3-39f3-491d-b688-db5a330ced92.pdf>

### **Visitors in the Classroom**

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

### **Food and Drink in the Classroom**

The Dean has explicitly requested that we enforce the prohibition of food and drink in the classrooms. Please do not bring food or drink into class.

### Tentative Schedule

Week	Topic	Chapter
1	Introduction, Review of important concept from BANA 3363	CH1
2	Review of important concept from BANA 3363	Appendix
3	The Simple Regression Model	CH2
4	The Simple Regression Model : Hypothesis Testing	Lecture Note
5	The Simple Regression Model : Hypothesis Testing	Lecture Note
6	Multiple Regression analysis: Estimation & Review	CH3
7	<b>Midterm 1 (2/26)</b>	
	Multiple Regression Analysis: Inference	CH4
8	Multiple Regression Analysis: Inference	CH4
9	Spring Break	
10	Functional Forms of Regression Models	Lecture Note
11	Dummy Variable Regression Models	CH7
12	Heteroskedasticity & Review	CH8
13	<b>Midterm 2 (4/9)</b>	
	Heteroskedasticity	CH8
14	Regression with Time Series Data	CH10
15	Regression with Time Series Data & Panel Data	CH10
16	Regression with Panel Data & Review	Lecture note
17	<b>Final (5/9) 9:30 - 11:30 am</b>	

The schedule is subject to change. You are responsible for following up all the announcements made during the lectures.