

Economics 493(L01) (Empirical Energy Economics)

Instructor: Professor Daniel Gordon

Lecture Location: EDC057

Lecture Days/Time: T/R 14:00 – 15:15

Email: dgordon@ucalgary.ca

Office: SS 326

Office Hours: T/R 13:00-14:00

(Winter 2019)

Course Description:

This is the capstone course for the Applied Energy Economics program. Students will study and learn how to apply methods of data analysis that are particularly useful in the context of energy economics. The course will discuss current econometric techniques commonly used in energy economics research, and critically review some of the top research papers in energy economics.

Course Objectives/Learning Outcomes:

A detailed reading list and assignment / research project specifications will be posted to the course web page. The assignments will require the use of spreadsheet and econometric software. Students will complete a research paper in empirical energy economics that will be a major component of the course. Toward the end of the course, students will present their paper in class. Students are free to use the econometric software of their choice for the assignments and research paper. Various programs are loaded on the machines in the Tri-faculty lab in the basement of SS building; there are options to obtain free software for use on the students own computer. Additional details will be provided in class. A small number of econometric software-oriented tutorials will be organized and led by the Teaching Assistant.

Course Outline:

The course is organized around a combination of lectures and readings. Assigned readings will be discussed in class and students are required to participate. Assigned readings are mandatory.

Prerequisites/corequisites: Economics 357, 395 and 427

Required Readings: Numerous Journal Articles will be assigned during the semester.

Books on Reserve:

1. Angrist, J.D. and Pischke, J.,	<i>Mostly Harmless Econometrics: An Empiricist's Companion</i>
2. Wooldridge, J.M.,	<i>Introductory Econometrics: A Modern Approach</i>
3. Keppler J.H., Bourbonnais, R. & J-M Chevalier	The econometrics of energy systems

4. Islam, J.S., Islam, M.R., Islam, M. & Mughal, M.A.H.	Economics of sustainable energy
5. Menegaki, A. (Ed)	The economics and econometrics of the energy-growth nexus
6. Zweifel, A., Praktiknjo, & G. Erdmann	Energy Economics, theory and applications
7. Yergin, D.	The Quest
8. Prentiss, M.	Energy Revolution
9. Bhattacharyya, S	Energy Economics
10. Dahl, C.	International energy markets: Understanding pricing, Policies and profits

Desire2Learn:

This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at <http://d2l.ucalgary.ca> through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. These e-mails go to your University of Calgary e-mail addresses only.

Grade Determination and Final Examination Details:

Exercises (5 assignments @ 5% each)	25%
Classroom participation	15%
Presentation	20%
Research Paper (4 sections @10% each)	40%
Introduction (January 24)	
Data (February 7)	
Econometric model and results (March 28)	
Final paper (April 18)	

Grading Scale

A+	95 – 100	B	73 – 76	C-	60 – 62
A	85 – 94	B-	70 – 72	D+	56 – 59
A-	80 – 84	C+	67 – 69	D	50 – 55
B+	77 – 79	C	63 – 66	F	0 – 49

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

As per the Writing Across the Curriculum Statement in the Calendar, writing and grading thereof will be a factor in the evaluation of student work.

Any student work which remains undistributed after the last day of classes will be available to students through the instructor's office during the instructor's office hours.

Reappraisal of Grades and Intellectual Honesty:

For reappraisal of graded term work, see Calendar I.2

<http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

For reappraisal of final grade, see Calendar I.3

<http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Statement of Intellectual Dishonesty, see Calendar K.4

<http://www.ucalgary.ca/pubs/calendar/current/k-4.html>

Plagiarism and Other Academic Misconduct, see Calendar K.5

<http://www.ucalgary.ca/pubs/calendar/current/k-5.html>

Academic Accommodations:

The student accommodation policy can be found at: ucalgary.ca/access/accommodations/policy.

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities ucalgary.ca/policies/files/policies/student-accommodation-policy.

Students needing an Accommodation based on a Protected Ground other than disability should communicate this need, preferably in writing, to the course instructor.

Important Dates:

Please check: <http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>

Student Organizations:

Faculty of Arts Students' Association (F.A.S.A.):

Economics Department Representative

Office: SS 803, E-mail: econrep@fasaucalgary.ca and Web: www.fasaucalgary.ca.

Society of Undergraduates in Economics:

<https://www.ucalgarysue.com/>.

Society of Undergraduates in Economics is a student run organization whose main purpose is to assist undergraduate economics students to succeed both academically and socially at the University of Calgary. Services include access to the exam bank, career events such as Industry Night and information sessions, mentorship programs, and social events for members. They invite you to join by contacting SUE at societyofundergradsineconomics@gmail.com.

Faculty of Arts Program Advising and Student Information Resources:

- Have a question, but not sure where to start? The Arts Students' Centre is your information resource for everything in Arts! Drop in at SS102, call them at 403-220-3580 or email them at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns, including program planning and advice.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Library Block.

- Online writing resources are available at <http://www.ucalgary.ca/ssc/resources/writing-support>.

Evacuation Assembly Point:

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The assembly point for this classroom is Scurfield Hall – Atrium.

Safewalk:

The Safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year. **Call 403-220-5333.**

Freedom of Information and Protection of Privacy (FOIP) Act:

Personal information is collected in accordance with FOIP. For more information, see <http://www.ucalgary.ca/legalservices/foip/foip-hia>.

Internet and Electronic Communication Device information:

The use of cell phones for any purpose in class is prohibited. Computers and tablets may be used for note-taking only.

DVG

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