

Cover Sheet: Request 13327

ECO 4422 Econometrics 2

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	David Knight thomas.knight@ufl.edu
Created	11/7/2018 8:55:12 PM
Updated	1/8/2019 4:33:51 PM
Description of request	The Department of Economics proposes the creation of a new undergraduate course, Econometrics 2.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Economics 011643001	David Knight		11/12/2018
External Consult -- Econometrics 2.pdf					11/12/2018
College	Conditionally Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	The College Curriculum Committee conditional approves this request, with the following changes needed: 1) please remove the reference to "turning off" cell phones under links and policies.	12/2/2018
No document changes					
Department	Approved	CLAS - Economics 011643001	David Knight	Removed reference to turning off cell phones during lecture.	12/2/2018
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		12/2/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			12/2/2018
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|New for request 13327

Info

Request: ECO 4422 Econometrics 2

Description of request: The Department of Economics proposes the creation of a new undergraduate course, Econometrics 2.

Submitter: David Knight thomas.knight@ufl.edu

Created: 12/2/2018 2:23:47 PM

Form version: 2

Responses

Recommended Prefix ECO

Course Level 4

Number 422

Category of Instruction Advanced

Lab Code None

Course Title Econometrics 2

Transcript Title Econometrics 2

Degree Type Baccalaureate

Delivery Method(s) On-Campus

Co-Listing No

Co-Listing Explanation N/A

Effective Term Earliest Available

Effective Year Earliest Available

Rotating Topic? No

Repeatable Credit? No

Amount of Credit 4

S/U Only? No

Contact Type Regularly Scheduled

Weekly Contact Hours 4

Course Description Introduces advanced concepts and methods employed in empirical economic analysis. Focuses on identification of causality using regression techniques. Examines regression discontinuity and difference-in-differences identification strategies.

Prerequisites ECO 4421

Co-requisites None

Rationale and Placement in Curriculum The content covered in this course is not present in any other undergraduate courses in the UF Catalog. This course exposes students to cutting edge econometric techniques for identifying causality using microeconomic data. The skills developed in this course are highly employable in economic consulting and public policy analysis, and exposure to these topics provides excellent preparation for graduate school in economics and other quantitative social sciences.

This course builds on the quantitative methods covered in ECO 4421 (Econometrics), which is why that course is an essential prerequisite.

Course Objectives A successful student will: (i) Analyze nonexperimental social science data using modern econometric methods, (ii) Identify and quantify causal effects using creative research strategies, and (iii) Communicate the distinction between and appropriateness of various causal inference tools.

Course Textbook(s) and/or Other Assigned Reading Joshua Angrist and Jorn-Steffen Pischke, Mastering Metrics: The Past from Cause to Effect, Princeton University Press, 2014 (AP1)

Joshua Angrist and Jorn-Steffen Pischke, Mostly Harmless Econometrics: An Empiricist's Companion, Princeton University Press, 2009 (AP2)

Additional readings are posted in the Canvas course site.

Weekly Schedule of Topics I have attached the weekly course schedule as a separate document for ease of review.

Links and Policies Make up assignments will be arranged in accordance with UF policy. This information can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/exams.aspx>

The grading policies are consistent with UF policies regarding grade determination. This information can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Information regarding UF attendance policies can be found at:
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Professionalism and Honor Code: Students are expected to conduct themselves professionally. Students must arrive to class on time. Students must be respectful of their peers. As well, the instructor and TA will show students respect and treat them fairly and professionally. UF students are bound to not cheat or plagiarize, and are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: 'On my honor, I have neither given nor received unauthorized aid in doing this assignment.'" More details on the Honor Code, including sanctions for violations, can be found at:
<http://gradcatalog.ufl.edu/content.php?catoid=8&navoid=1493#student-honor-code> .

Students Requiring Accommodations: Students with disabilities requesting accommodations should first register with the Disabilities resource Center (392-8565, www.dso.ufl.edu/drc/), providing appropriate documentation. Once registered, students will receive an accommodation letter that can be presented to the instructor when requesting accommodation. Please register at the beginning of the course if seeking accommodations.

Course Evaluation: Students are encouraged to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two weeks of the semester, but students will be given specific times when they are open for the course.

Health Counseling and Emergencies: Contact information for UF counseling and mental health services are: 392-1575, <http://www.counseling.ufl.edu/cwc/Default.aspx> . Dial 9-1-1 for any emergencies.

Grading Scheme The course grade is determined by the weighted average of your scores on a two-hour midterm (25%), non-cumulative two-hour final exam (25%), and the average of eight equally-weighted homework assignments (50%), following the scale below:

A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	60-66%
B-	80-82%	E	< 59%
C+	77-79%		

Assume all grades are rounded to the nearest integer. For example, a 92.49 will be assigned an A-, and a 92.50 will be assigned an A.

Instructor(s) Perihan Saygin Kostyshak

Course Schedule

	<u>Topic</u>	<u>Textbook Reading</u>
Week 1:	Syllabus and Introduction to Microeconometrics	Syllabus
	<u>Additional “Readings”:</u> <ul style="list-style-type: none">• Video: Esther Duflo: Social experiments to fight poverty	
Week 2:	Causality vs. Correlation	AP1 Intro. & AP2 Ch. 1
Week 3:	Randomized Trials	AP1 Ch. 1 & AP2 Ch. 2
Week 4:	Randomized Trials <i>continued</i> <i>Homework 1 due</i>	TBA in Canvas
	<u>Additional “Readings”:</u> <ul style="list-style-type: none">• Amy Finkelstein et. al. (2012) "The Oregon Health Insurance Experiment: Evidence from the First Year". QJE vol 127 No 3.• Cawley et al. 2018, The Impact of Information Disclosure on Consumer Behavior: Evidence from a Randomized Field Experiment of Calorie Labels on Restaurant Menus, NBER Working Paper No. 24889.• Deaton and Cartwright (2018) “Understanding and Misunderstanding RCTs”, Social Science and Medicine.	
Week 5:	Introduction to STATA: Applications Sessions	TBA in Canvas
Week 6:	Regression <i>Homework 2 due</i>	AP1 Ch. 2
Week 7:	Regression and Omitted Variable Bias	TBA in Canvas
	<u>Additional “Readings”:</u> <ul style="list-style-type: none">• Altonji, Elder, Taber, 2005, Selection on Observed and Unobserved Variables: Assessing the Effectiveness of Catholic Schools, Journal of Political Economy.	
Week 8:	Regression and Bad Controls <i>Homework 3 due</i>	TBA in Canvas
	<u>Additional “Readings”:</u> <ul style="list-style-type: none">• Alan B. Krueger (1993) ‘How computers have changed the wage structure: evidence from microdata, 1984 - 1989’The Quarterly Journal of Economics, Vol. 108., No. 1, 33-60• John E. DiNardo and Jorn-Steffen Pischke (1997), ‘The Returns to Computer Use Revisited: Have Pencils Changed the Wage Structure Too?’, The Quarterly Journal of Economics, Vol. 112, No. 1, pp. 291-303.• Alexandra Spitz-Oener (2008) ‘The Returns to Pencil Use Revisited’, ILR Review, Vol 61, Issue 4, pp. 502 - 517	

Midterm Exam

This syllabus is for approval, without knowledge of the specific days of week that the class will meet. Thus, specific times are omitted.

Week 9:	Nonlinear Regression Functions	TBA in Canvas
	<u>Additional “Readings”:</u>	
	<ul style="list-style-type: none"> • James H. Stock and Mark Watson, <i>Introduction to Econometrics</i>, Chap. 8 	
Week 10:	Regression: Applications Sessions	AP2 Ch. 2
	<i>Homework 4 due</i>	
Week 11:	Difference-in-Differences	AP1 Ch. 5
	<i>Homework 5 due</i>	
	<u>Additional “Readings”:</u>	
	<ul style="list-style-type: none"> • Richardson, Gary and William Troost, “Monetary Intervention Mitigated Banking Panics during the Great Depression: Quasi-Experimental Evidence from a Federal Reserve District Border, 1923-1933,” <i>Journal of Political Economy</i>, vol 117, no.6, 2009 p.1031-73. • Carpenter C. and C. Dobkin, (2011) “The Minimum Legal Drinking Age,” <i>Journal of Economic Perspectives</i>, Vol 25(2): 133-56 • David A. Freeman, (1991) “Statistical Models and Shoe Leather” <i>Sociological Methodology</i>, Vol. 21: 291-313 	
Week 12:	Difference-in-Differences	TBA in Canvas
	<u>Additional “Readings”:</u>	
	<ul style="list-style-type: none"> • Card, David (1990) “The Impact of the Mariel Boatlift on the Miami Labor Market” <i>Industrial and Labor Relations Review</i> • Card, David, (1992) Using regional variation in wages to measure the effects of the federal minimum wage”, <i>Industrial and Labor Relations Review</i> • Card, David and Alan Krueger. (1994) “Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania”, <i>American Economic Review</i> Vol. 84, No. 4, pp. 772-793 • John Gruber, (1994) “The Incidence of Mandated Maternity Benefits”, <i>American Economic Review</i>. • Jennifer L. Doleac and Benjamin Hansen. (2018) The unintended consequences of “ban the box”: Statistical discrimination and employment outcomes when criminal histories are hidden, <i>Accepted, Journal of Labor Economics</i>. 	
Week 13:	Difference-in-Differences: Applications Sessions	TBA in Canvas
	<i>Homework 6 due</i>	
Week 14:	Difference-in-Differences: Applications Sessions	TBA in Canvas
	<i>Homework 7 due</i>	
Week 15:	Alternative Causal Identification Strategies	TBA in Canvas
	<i>Homework 8 due</i>	
Week 16:	Final Exam	

External Consultation Results (departments with potential overlap or interest in proposed course, if any)

Department <u>Statistics</u>	Name and Title <u>Mike Daniels, Professor and Chair</u>
Phone Number <u>273 2966</u>	E-mail <u>daniels@ufl.edu</u>
<p>Comments <u>Econometrics 2</u> I don't anticipate impact on enrollment in STA courses for this. And the topics don't overlap a lot w/ those in current STA courses given the econometrics focus.</p>	

Department _____	Name and Title _____
Phone Number _____	E-mail _____
<p>Comments</p>	

Department _____	Name and Title _____
Phone Number _____	E-mail _____
<p>Comments</p>	