

SYLLABUS

ECO 530: ECONOMETRICS

FALL 2017

Instructor: Gary L. Hunt
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Office Hours: (by appointment)
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Blackboard Course Conference

Course Objectives: This is a graduate course in applied econometrics. We will not emphasize theorems and proofs in this course. We will work instead to develop both a significant understanding of the role of classical econometrics in empirical economics and a strong ability to execute applied econometrics in the development of economic models and in the analysis of economic policy. Identification, estimation, model validation, and hypothesis testing will be emphasized.

Class Meetings: Tuesdays and Thursdays, 9:30AM-10:45AM; Winslow 201

Prerequisites: MAT 126 and MAT 215 or MAT 232 or permission. Mathematics will be used as a tool in this course including multivariate calculus, scalar and linear algebra, and probability and statistics. In addition, this course will present many examples of empirical economic models both from microeconomics and macroeconomics. Students should see me early in the course if they need guidance on the selection of reference materials for these areas of mathematics and economics.

Textbook: Gary L. Hunt, *Applied Econometrics for Advanced Students*, revised August, 2017. It is available for purchase at the UMaine Bookstore. Exercises, data sets, and URLs to online information sources will be distributed regularly throughout the course via the course's Blackboard site.

Software: The student version of the econometric software, *EViews*, is required. The examples provided in class lectures and the textbook will be presented in the form of *EViews* programs and output; and it is expected that students complete all econometric work for assignments with *EViews*. **The instructor will support only EViews.** PC and MAC versions of *EViews* are available to purchase and to download from <http://www.eviews.com/EViews9/EViews9SV/evstud9.html>. Please get the full student version (\$39.95 per copy) and NOT EViews Lite.

Assignments: Reading and homework assignments will be announced in class and posted to the Blackboard Course Conference.

Grading: Course grades will reflect student performance on (1) homework assignments (50%), (2) a research paper (25%), and (3) a take home final exam (25%) due no later than 5:00PM on Friday, December 8, 2017.

You are permitted to consult with one another on homework assignments. However, you must write your own answers in a legible and well-organized manner on yellow tablet paper using a pencil. All graphics must be carefully constructed and labeled. Relevant computer printouts from *EViews* must accompany your answers. Please refer to specific results given in the printouts to document your written answers. ***No credit will be received for copied answers, answers that are not specifically documented by relevant EViews computer printouts, or answers turned in late.***

Each student will write a research paper. There is a document posted on the detailed requirements for this paper including deadlines for submission of (1) a topic, (2) relevant economic literature and theory, (3) econometric model specification and data, (4) preliminary econometric estimates, hypothesis tests, and model evaluation, (5) revised econometric estimates, hypothesis tests, and model evaluation, (6) research conclusions. ***No credit will be received for term papers that do not follow this format or that are turned in late.***

Letter grades: Letter grades will be based as follows on the weighted percentage of points earned on the examinations, homework exercises, and research paper

A 90-100% **B** 80-89% **C** 65-79% **D** 50-64% **E** Less than 50%.

Incompletes will be given only in well-documented and extraordinary cases.

Important University of Maine policies:

- 1) Academic Honesty Statement:** Academic honesty is very important. It is dishonest to cheat on exams, to copy term papers, to submit papers written by another person, to fake experimental results, or to copy or reword parts of books or articles into your own papers without appropriately citing the source. Students committing or aiding in any of these violations may be given failing grades for an assignment or for an entire course, at the discretion of the instructor. In addition to any academic action taken by an instructor, these violations are also subject to action under the University of Maine Student Conduct Code. The maximum possible sanction under the student conduct code is dismissal from the University.

- 2) Students with disabilities statement:** If you have a disability for which you may be requesting an accommodation, please contact Disabilities Services, 121 East Annex, 581-2319, as early as possible in the term.

3) Course Schedule Disclaimer (Disruption Clause): In the event of an extended disruption of normal classroom activities, the format for this course may be modified to enable its completion within its programmed time frame. In that event, you will be provided an addendum to the syllabus that will supersede this version.

4) Sexual Violence Policy: Sexual Discrimination Reporting

The University of Maine is committed to making campus a safe place for students. Because of this commitment, if you tell a teacher about an experience of **sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct or any form of gender discrimination** involving members of the campus, **your teacher is required to report** this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity.

If you want to talk in confidence to someone about an experience of sexual discrimination, please contact these resources:

For *confidential resources on campus*: **Counseling Center: 207-581-1392** or **Cutler Health Center: at 207-581-4000**.

For *confidential resources off campus*: **Rape Response Services: 1-800-310-0000** or **Spruce Run: 1-800-863-9909**.

Other resources: The resources listed below can offer support but may have to report the incident to others who can help:

For *support services on campus*: **Office of Sexual Assault & Violence Prevention: 207-581-1406**, **Office of Community Standards: 207-581-1409**, **University of Maine Police: 207-581-4040 or 911**. Or see the OSAVP website for a complete list of services at <http://www.umaine.edu/osavp/>