

ECON 4040 – SEMINAR IN APPLIED ECONOMETRICS

WINTER 2019

Instructor: Dr. Janelle Mann (janelle.mann@umanitoba.ca)

Lectures: Tuesday, 8:30 AM – 11:15 AM

Office Hours: Tuesdays, 2:45 PM – 3:45 PM in 556 Fletcher Argue Building

Course Description

This course builds on ECON 3040 by introducing a variety of more advanced econometric tools with an emphasis on their application to various microeconomic and macroeconomic problems. Econometric literature is integrated into the lectures and the econometric software programs STATA and gretl are used to demonstrate the application of econometric tools. Students practice econometric research through the research poster component which includes: a proposal that defines the research statement and provides a review of literature; data collection; econometric analysis; a research poster that documents the methodology and results; and discussion of research posters of their peers.

This course covers the following topics (as time permits):

- Econometric Research Methods
- Review of Linear Regression Techniques
- Endogeneity, Instrumental Variables, and Generalized Method of Moments (GMM)
- Maximum Likelihood Estimation and Specification Tests
- Univariate Time Series Models
- Multivariate Time Series Models
- Models with Limited Dependent Variables
- Models based on Panel Data

Textbook

This course does not require a textbook. Several useful references include:

- *A Guide to Econometrics* by Kennedy
- *A Guide to Modern Econometrics* by Verbeek
- *An Introduction to Modern Econometrics using STATA* by Baum
- *Econometric Analysis* by Greene
- *Introductory Econometrics: A Modern Approach* by Wooldridge
- *Learning and Practicing Econometrics* by Griffiths, Hill, and Judge
- *Principles of Econometrics* by Hill, Griffiths, and Lim

Software

This course requires the use of STATA: Data Analysis and Statistical Software. A six-month license for STATA/IC with pdf documentation that can be purchased through the STATA GradPlan program.

Grading and Assessment

Mark Allocation:	Term Tests	50%
	Case Study	2.5%
	Research Poster Proposal	10%
	Research Poster & Presentation	35%
	Research Poster Peer Review	2.5%

Case Study: There is one case-study held in-class. If you arrive more than 15 minutes late to the lecture you cannot participate in the case-study. If you miss the lecture for a documented medical or compassionate reason the weight will be moved to your first term test.

Term Tests: There are two term tests. If you miss one or both of the term tests for a documented medical or compassionate reason the weight will be moved to a cumulative deferred term test on March 26, 2019 in-class.

Research Poster: The research poster component is designed to replicate a poster session at an academic conference. The research poster component will be discussed in detail in-class. Deadlines for the research poster component are strict and failure to abide will result in a mark of zero. If a student has a documented medical or compassionate reason for not meeting the deadline they must obtain permission from the instructor **prior** to the deadline. The mark for the research proposal will be returned prior to the voluntary withdrawal date.

Important Dates

Jan-22-2019	Case study in-class
Jan-29-2019	First term test
Feb-11-2019	Research poster proposal presentation due by 1:30 PM
Feb-12-2019	Research poster proposal presentations in-class
Mar-19-2019	Second term test
Mar-29-2019	Research poster due by 1:30 PM
Apr-2-2019	Research poster presentations in-class
Apr-9-2019	Research poster presentations in-class

Academic Dishonesty

Students should acquaint themselves with the University's policy on plagiarism, cheating, exam personation, ("Personation at Examinations" (Section 5.2.9) and "Plagiarism and Cheating" (Section 8.1)) and duplicate submission by reading documentation provided at the Arts Student Resources web site at <http://www.umanitoba.ca/faculties/arts/student/index.html>. Ignorance of the regulations and policies regarding academic integrity is not a valid excuse for violating them.

Additional Information Specific to ECON 4040

- Please demonstrate respect for others at all times. During lectures this includes: arriving on time, turning off your cell phone, and refraining from talking to other students.

- Written permission of the instructor is required prior to recording the lectures with any kind of device, including cell phones.
- Lecture attendance and participation is mandatory, but does not constitute any portion of your grade.
- This course uses UM Learn. It is your responsibility to check UM Learn for course announcements, handouts, and the like.
- Effective August 2013, all University of Manitoba correspondence will be via your University of Manitoba e-mail account. Please include ECON 4040 in the subject line and follow “How to e-mail a Professor”: <http://mleddy.blogspot.ca/2005/01/how-to-e-mail-professor.html>
- Students appealing any term work, whether it be an informal or formal appeal, must appeal their term work within 10 working days of receiving their mark.
- All final grades are subject to departmental approval.
- Any term work that has not been claimed by students will be held for four (4) months from the end of the final examination period for the term in which the work was assigned. At the conclusion of this time, all unclaimed term work will become property of the Faculty of Arts and be destroyed according to FIPPA guidelines and using confidential measures of disposal.
- Please refer to [Schedule “A”](#) for information on academic supports, mental health support, copyright, and other supplemental information.

