

ECON 7032 –ECONOMETRICS III

WINTER 2019

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

Lectures: Thursdays, 8:30 AM – 11:15 AM

Office Hours Tuesdays, TBA, 556 Fletcher Argue Building

Course Description

This course covers basic through advanced time series methods with a particular focus on their application and interpretation. Econometric literature is integrated into the lectures and RATS is used to demonstrate the application of econometric tools. Students practice econometric research by replicating, critiquing, and improving upon the time series methods utilized in various journal articles.

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

- Stationarity, Unit Roots, and Fractional Integration
- Structural Change and Endogenous Structural Breaks
- Stationary Time Series Models
- Modeling Volatility
- Models with Trend
- Forecasting
- Cointegration and Error Correction Models
- Nonlinear Time Series Models

Textbook

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

- *A Guide to Econometrics* by Kennedy
- *Applied Econometric Time Series* by Enders
- *Co-integration, Error-Correction, and the Econometric Analysis of Non-Stationary Data* by Banerjee, Dolado and Galbraith
- *Econometric Analysis* by Greene
- *Introductory Econometrics: A Modern Approach* by Wooldridge
- *Time Series Analysis* by Hamilton

Software

This course requires the use of RATS: Regression Analysis of Time Series. A student version of RATS is available from https://estima.com/shopcart/rats_special_classroom.shtml

Grading and Assessment

Mark Allocation:	Assignments	45%
	Final Examination (In-class)	20%
	Final Examination (Take-Home)	35%

Assignments: Late assignments are not accepted and will be assigned a grade of zero. If a student does not submit an assignment for a documented medical or compassionate reason the weight will be added to the in-class component of the final examination.

Examinations: The final examination consists of an in-class component and a take-home component. The take-home component will be due during the final examination period at a time scheduled by the Registrar's Office. Students will have 48 hours to complete the examination. Late submissions are not accepted and will be assigned a grade of zero.

Important Dates

Apr-2- 2019	ECON 4040 research poster presentation, 8:30 AM – 11:15 AM
Apr-9-2019	ECON 4040 research poster presentation, 8:30 AM – 11:15 AM
Apr-5-2017	Final Examination (In-Class)
TBA	Take Home Examination

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

- Written permission of the instructor is required prior to recording the lectures with any kind of device, including cell phones.
- Effective August 2013, all University of Manitoba correspondence will be via your University of Manitoba e-mail account. Please include ECON 7032 in the subject line and follow "How to e-mail a Professor": <http://mleddy.blogspot.ca/2005/01/how-to-e-mail-professor.html>
- This course uses UM Learn. It is your responsibility to check UM Learn for course announcements, handouts, and the like.
- 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" (attached) for information on academic supports, mental health support, copyright, and other supplemental information.