

University of Manitoba

ECON 7010: Econometrics I, 11325, Fall Term, 2019

Class Location and Time: 10:00 – 11:15, Tuesday/Thursday, Tier 214

Instructor: Ryan Godwin email: ryan.godwin@umanitoba.ca tel: 2042721534

Office hour: Tuesday, 3:00 – 4:00, Room 646, Fletcher Argue

Course Description

The principal objective of this course is to provide a basic introduction to econometric theory and its application. Much of the emphasis of the course is on the single-equation linear multiple regression model, under both standard and non-standard assumptions. We will be considering some of the merits and weaknesses of traditional methods of inference in the context of this model. This course is also concerned with some of the very basic approaches to identifying and handling violations of the assumptions associated with the specification of the classical multiple regression model, and some of its extensions. The course will conclude by examining a different estimation methodology; that of Maximum Likelihood.

Recommended Textbooks

Greene, W. H., *Econometric Analysis*, 7th ed. (Prentice Hall, 2011)
 Stock, J. H. & Watson M. W., *Introduction to Econometrics 3rd Edition*
 Cameron, A. C. & Trivedi, P. K. *Microeconometrics – Methods and Applications*

Course Website

Course resources (including **lecture notes**) will be available through a website. You should also check the site regularly for announcements. The course website can be accessed at:

<http://home.cc.umanitoba.ca/~godwinrt/7010/>

Tentative Course Outline (Chapters refer to Greene)

Topic 1: Basic Multiple Regression (Chapters 2, 3, 4)
 Topic 2: Asymptotic Properties of Various Regression Estimators (Chapters 4 & 8)
 Topic 3: Inference and Prediction in Regression (Chapter 5)
 Topic 4: Functional Form, Non-Linearity, & Specification Analysis (Chapter 6)
 Topic 5: Nonlinear Regression Models (Chapter 7)
 Topic 6: Non-Spherical Disturbances (Chapter 9)
 Topic 7: Maximum Likelihood Estimation (Chapter 14)
 Topic 8: TBD

Student Accessibility Services

Students with disabilities should contact Student Accessibility Services to facilitate the implementation of accommodations, and meet with me to discuss the accommodations recommended by Student Accessibility Services.

Evaluation

Test 1 (Oct. 1st):	25%
Test 2 (Nov. 5th):	25%
Final Exam:	50%

The tests and the final examination will be “closed book/closed notes.” **The final examination will cover all of the material presented in the course.** Each piece of assessment in the course will be

graded on a percentage scale. Solutions to the evaluations will be given in class, if necessary. The percentage marks will then be weighted, as above, into a single numerical score that will be converted to a letter grade as follows:

A+ 100-92, A 91.9-85, **B+ 84.9-78**, B 77.9-71, **C+ 70.9-64**, C 63.9-57, **D 56.9-50**, F 49.9-0

Students appealing any term work (including any test, assignments, final exam) 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.

Notes about evaluation

- If you have documentation supporting a medical or compassionate reason, a missed test will result in either make-up work, or the reweighting of your grade. Otherwise, a missed test will result in a mark of zero.
- Nov. 18th is the last day for Voluntary Withdrawal. A minimum of 25% of your grade will be determined by this date.
- Class attendance is mandatory, but will not constitute any portion of your grade.

Academic Integrity

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.

Regulations Regarding the Retention and Disposal of Term Work

Information regarding the breakdown of grades assigned to a student in a given course (i.e., grades assigned for term work, class participation, final examination, etc.) must be retained by the instructor and/or the respective department for three years following the end of term in which the course was taken.

No student will be permitted to submit term work for assessment to the instructor (and term work should not be returned to students) by any means which allows unrestricted and unauthorized public access to the term work. For example, term papers, term tests or other written assignments should not be received or returned from a box outside the instructor's office door, but a student could provide a self-addressed stamped envelope for return of the term work.

Unreturned term work must be kept in a secure and confidential department area for a minimum of four (4) months following the end of the course and until destroyed by confidential measures. The Final day of the University's Final Examination period each term is considered as the last day of the term. Instructors shall include on their course outlines a statement to the effect that unreturned term work will become the property of the Faculty of Arts and will be subject to confidential destruction.

Policies and Resources

For a list of academic supports, a statement regarding mental health that includes referral information to resources and student supports, a notice to respect copyright, and information on procedures and supplemental regulations, please see:

<http://home.cc.umanitoba.ca/~godwinrt/3040/policiesandresources.pdf>