ECON 762 – Econometrics II: Course Outline

L. Magee   Winter, 2013

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web site:	*http://socserv.mcmaster.ca/magee/*
office hours:	Thursdays and Fridays, 10:30-12:00.
textbook (optional):	Econometric Analysis by W.H. Greene, 5th or 6th edition, Prentice Hall
courseware:	A coursepack will be ready early in the term.
	In the meantime, relevant coursepack material will be posted on the
	course website.

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Research Project Option

- Students who are not taking another Economics course with a research project must do a project in this course and follow the *Project Option* described below.

- Students who are taking another course with a research project can choose between the *Project Option* and the *No-Project Option*. The ECON 762 project topic must be different from the projects in other courses.

- By reading week:

  - students who think they will or might be doing a project: hand in a project proposal
  - all students: inform me of the other Economics courses you are taking that have projects

Assignments and Tests

- Midterm test on March 11

- Final exam during the April exam period

- Three assignments worth 4% each:

  1. handed out January 24, due February 4
  2. handed out February 11, due February 28
  3. handed out March 14, due March 25

Grading: No-Project Option

- three assignments: 4% each

- (test + exam): either (22% test + 66% exam) or (44% test + 44% exam), whichever is greater

Grading: Project Option

- three assignments: 4% each

- (test + exam): either (15% test + 43% exam) or (29% test + 29% exam), whichever is greater

- project, due June 26 (unless writing comprehensive exams), worth 30%. More information about the project will be provided.

Topics

- Asymptotic theory

- Regression models with lagged dependent variables

- VARs, unit roots, VECMs

- M-estimation

- Robust variance estimation

- Models for panel data

- Generalized method of moments (GMM) estimation

- Discrete choice models

- May also cover topics from the following:

  - Maximum Likelihood estimation
  - Bootstrapping
  - Nonparametric Estimation
  - Hill-Climbing
  - Regression with Weights
  - Duration Models

Academic Dishonesty

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at *http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicIntegrity.pdf*

The following illustrates only two forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one's own or for which other credit has been obtained. Discussions among students about assignments are allowed and are generally beneficial. However, you must write up solutions of the assignment problems by yourself and in your own words. Copying with minor changes (e.g., with symbols changed or with slightly different wording) from solutions prepared by another person, is considered plagiarism.

2. Copying or using unauthorized aids in tests and examinations.

Course Modification Warning

The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check his/her McMaster email and course websites weekly during the term and to note any changes.