
School of Economics and Finance
ECON 409 ADVANCED ECONOMETRICS B
Trimester Two 2008 **COURSE OUTLINE**

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Lecture time Wednesdays, 9:30–11:20, RWW126

Tutorial/lab time Wednesdays, 11:30–12:20, RWW102

Objectives

The first six weeks will focus on the econometric models of stationary data. The second half will be spent on models for panel data. Students will be expected to demonstrate in depth mastery of the theories presented.

Course content

Date	Topic
9 Jul	Introduction to time series analysis
16 Jul	Stationary ARMA processes
23 Jul	Stationary ARMA processes (ctd)
30 Jul	Prediction for stationary processes
6 Aug	Prediction for stationary processes (ctd)
13 Aug	Vector autoregression modelling
<i>Mid-trimester break, 2 weeks</i>	
3 Sep	Panel data overview
10 Sep	Linear static PD models
17 Sep	Linear dynamic PD models
24 Sep	Non-linear static PD models
1 Oct	Non-linear dynamic PD models
8 Oct	Review

Expected workload

You are expected to spend roughly 150 hours completing this course. This includes preview, attendance and review of the lecture material, preparation and attendance at the tutorials, completion of tutorial exercises, completion of projects, preparation and attendance of the exam. On average, this is roughly 10 hours per week between the start of the course and the exam, but the actual load is unlikely to be uniform.

Readings

James Hamilton's (1994) *Time Series Analysis*, Princeton, may be a useful reference book for this course and onwards. For the second half, you may wish to consult:

- Baltagi, Badi (1995), *Econometric Analysis of Panel Data*, John Wiley & Sons.
- Hsiao, Cheng (1986), *Panel Data*, Econometric Society Monograph, No. 11, Cambridge University Press.
- Ruud, Paul (2000), *An Introduction to Classical Econometric Theory*, Oxford University Press (Chapter 24 on Panel Data).
- Wooldridge, Jeffrey (2002), *Econometric Analysis of Cross Section and Panel Data*, MIT Press.

Course Materials

The statistical software R has been installed on the SCS computers. If you regularly use a non-VUW PC, R is available free of charge at <http://www.r-project.org/> for Windows, Mac or Linux. Alternatively, bring a blank CD-R or a memory stick to John, and he will give you a copy of the most recent version.

Assessment requirements

A two hour test covering the first half of the course will be held soon after the mid-trimester break, at a time to be determined. *This will be worth 50% of your final grade.*

The final exam will be scheduled by the university in the trimester two examination period, 17 October – 8 November, and this will examine content from the second half of the course only. *This will be worth the remaining 50% of your final grade.*

Assignments

Assignments will be distributed roughly fortnightly throughout the course. These do not contribute to your final mark, but will contribute greatly to your learning. Submission of them is *strongly recommended*.

Penalties

None.

Mandatory course requirements

You must sit the test.

Communication of additional information

Course notices will generally be relayed in class, via email, and put on Blackboard. Any queries should be directed to John.

Faculty of Commerce and Administration Offices

Railway West Wing (RWW) - FCA Student and Academic Services Office

The Faculty's Student and Academic Services Office is located on the ground and first floors of the Railway West Wing. The ground floor counter is the first point of contact for general enquiries and FCA forms. Student Administration Advisers are available to discuss course status and give further advice about FCA qualifications. To check for opening hours call the Student and Academic Services Office on (04) 463 5376.

Easterfield (EA) - FCA/Education/Law Kelburn Office

The Kelburn Campus Office for the Faculties of Commerce and Administration, Education and Law is situated in the Easterfield Building on the ground floor (EA005). This counter is the first point of contact for:

- Duty tutors for student contact and advice.
- Information concerning administrative and academic matters.
- Forms for FCA Student and Academic Services (e.g. application for academic transcripts, requests for degree audit, COP requests).
- Examinations-related information during the examination period.

To check for opening hours call the Student and Academic Services Office on (04) 463 5376.

Use of Turnitin

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine <http://www.turnitin.com>. Turnitin is an on-line plagiarism prevention tool which identifies material that may have been copied from other sources including the Internet, books, journals, periodicals or the work of other students. Turnitin is used to assist academic staff in detecting misreferencing, misquotation, and the inclusion of unattributed material, which may be forms of cheating or plagiarism. At the discretion of the Head of School, handwritten work may be copy-typed by the School and subject to checking by Turnitin. You are strongly advised to check with your tutor or the course coordinator if you are uncertain about how to use and cite material from other sources. Turnitin will retain a copy of submitted materials on behalf of the University for detection of future plagiarism, but access to the full text of submissions will not be made available to any other party.

General University policies and statutes

Students should familiarise themselves with the University's policies and statutes, particularly the Assessment Statute, the Personal Courses of Study Statute, the Statute on Student Conduct and any statutes relating to the particular qualifications being studied; see the Victoria University Calendar or go to <http://www.victoria.ac.nz/home/about/policy/students.aspx>

For information on the following topics, go to the Faculty's website <http://www.victoria.ac.nz/fca> under "Important Information for Students":

- Academic Grievances
- Student and Staff Conduct
- Meeting the Needs of Students with Impairments

- Student Support

Academic Integrity and Plagiarism

Academic integrity is about honesty put simply it means no cheating. All members of the University community are responsible for upholding academic integrity, which means staff and students are expected to behave honestly, fairly and with respect for others at all times.

Plagiarism is a form of cheating which undermines academic integrity. The University defines plagiarism as follows:

The presentation of the work of another person or other persons as if it were one's own, whether intended or not. This includes published or unpublished work, material on the Internet and the work of other students or staff.

It is still plagiarism even if you re-structure the material or present it in your own style or words.

Note: including the work of others will not be considered plagiarism as long as the work is acknowledged by appropriate referencing.

Plagiarism is prohibited at Victoria and is not worth the risk. Any enrolled student found guilty of plagiarism will be subject to disciplinary procedures under the Statute on Student Conduct and may be penalised severely. Consequences of being found guilty of plagiarism can include:

- an oral or written warning
- cancellation of your mark for an assessment or a fail grade for the course
- suspension from the course or the University.

Find out more about plagiarism, and how to avoid it, on the University's website:
<http://www.victoria.ac.nz/home/studying/plagiarism.html>