ECON7035
Econometric Techniques and Applications
Session 1, Special circumstances 2021
Department of Economics

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Disclaimer
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Notice
As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to timetable viewer. To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.
General Information

Unit convenor and teaching staff
Roselyne Joyeux
roselyne.joyeux@mq.edu.au

Credit points
10

Prerequisites
Admission to MRes

Corequisites

Co-badged status
ECON8040

Unit description
The aim of this unit is to enable MRes students to upgrade their basic econometric knowledge and skills to a level where they can independently design an empirical research project and use relevant econometric methods to draw valid conclusions, with clear understanding of advantages and limitations of the methods involved. To that end, students will be introduced to various econometric methods and their properties under different circumstances.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://students.mq.edu.au/important-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

- **ULO1**: Identify and develop a relevant econometric model suitable for the objective of analysis.
- **ULO2**: Estimate the model using an appropriate estimation method.
- **ULO3**: Interpret the estimation results and draw valid inferences.
- **ULO4**: Understand and replicate the empirical results reported in some academic articles that are prescribed by the lecturer.
General Assessment Information

Assignment
The assignment question will be made available on the unit homepage about 3-4 weeks before the due date. The assignment question sheet will include instructions that must be followed closely. There are no set minimum or maximum lengths for the assignment. However, assignments should be completed and typed using a word-processing program. No extension will be granted. Late submissions will be accepted up to three days after the submission deadline. There will be a deduction of 10% of the total available marks made from the total awarded marks for each 24 hour period or part thereof that the submission is late (for example, 25 hours late in submission – 20% penalty). This penalty does not apply for cases in which an application for special consideration is made and approved.

Final Examination Online
A two-hour exam to be completed in a six hour window will be held during the end of session formal examination period, and will consist of short answer questions that require both calculations and written responses.

Class Test Online
The mid-semester test will be an online open-book quiz with randomized questions in Week 6. It counts 20% towards the final grade. The duration of the quiz session will be one hour.

Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final examination online</td>
<td>40%</td>
<td>No</td>
<td>During the end of session formal examination period</td>
</tr>
<tr>
<td>Assignment</td>
<td>40%</td>
<td>No</td>
<td>Week 11</td>
</tr>
<tr>
<td>Class test online</td>
<td>20%</td>
<td>No</td>
<td>Week 6</td>
</tr>
</tbody>
</table>

Final examination online
Assessment Type 1: Examination
Indicative Time on Task 2: 20 hours
Due: During the end of session formal examination period
Weighting: 40%

An online and open book two-hour exam will be held during the end of session formal examination period.
On successful completion you will be able to:

- Identify and develop a relevant econometric model suitable for the objective of analysis.
- Interpret the estimation results and draw valid inferences.
- Understand and replicate the empirical results reported in some academic articles that are prescribed by the lecturer.

**Assignment**

Assessment Type: Report
Indicative Time on Task: 20 hours
Due: Week 11
Weighting: 40%

The completed assignment is due in Week 11. The assignment question sheet will available approximately 4 weeks before the due date.

On successful completion you will be able to:

- Identify and develop a relevant econometric model suitable for the objective of analysis.
- Estimate the model using an appropriate estimation method.
- Interpret the estimation results and draw valid inferences.
- Understand and replicate the empirical results reported in some academic articles that are prescribed by the lecturer.

**Class test online**

Assessment Type: Quiz/Test
Indicative Time on Task: 10 hours
Due: Week 6
Weighting: 20%

The quiz assesses the work covered in lectures up to the submission deadline, and consists of a set of questions to be answered on iLearn.

On successful completion you will be able to:

- Interpret the estimation results and draw valid inferences.
- Understand and replicate the empirical results reported in some academic articles that
are prescribed by the lecturer.

1 If you need help with your assignment, please contact:
   • the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
   • the Learning Skills Unit for academic skills support.

2 Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Lectures
Each week’s Lecture will be recorded using Zoom, and will be uploaded to the iLearn space before an online meeting that will be scheduled at the normal lecture time (i.e. starting at 6 pm, Monday). The online (Zoom) meetings will be used for questions and discussions on the uploaded topic. The meeting will last up to one hour.

Tutorials
Tutorial questions will be made available on the iLearn space. Detailed solutions will be provided. The online meetings will also be used for questions and discussions on tutorial questions.

Required and Recommended Texts and/or Materials
The recommended texts for the unit are

and/or


Lecture slides will be provided on the unit home page.

Technology Used and Required
1. Students will require a non-programmable calculator for exercises, test and the final examination. Students will also require access to a computer, on which the following programs are installed.

2. Gretl: It is free, open-source software. Visit the Gretl website: http://gretl.sourceforge.net/, and choose the operating system of your computer from the menu on the left-hand side. Download and install the program onto the computer.
Download also the manual and all the data for practice. Students are required to be able to use this program to answer exercise, test and assignment questions. Students are also required to understand its outputs.

3. An internet browser, such as Firefox or Internet Explorer, to access iLearn.

4. Adobe Acrobat Reader: to read course material downloaded from iLearn. This program can be downloaded from http://www.adobe.com/downloads/.

Unit web page

Useful information and some course material will be made available on the learning management system (iLearn): ilearn.mq.edu.au. Visit the homepage regularly for new information, course material and announcements.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy (Note: The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)

Students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released
directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support
Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Learning Skills
Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops
- StudyWise
- Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Enquiry Service
For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

Equity Support
Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

IT Help
For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.