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Disclaimer
Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.
General Information

Unit convenor and teaching staff
Unit Convenor
Lance Fisher
lance.fisher@mq.edu.au
4 Eastern Road, Room 410

Credit points
10

Prerequisites
90cp at 1000 level or above including ECON241 or ECON2041 or STAT272 or STAT2372

Corequisites

Co-badged status

Unit description
This unit is highly recommended for students majoring in economics and finance. Finance professionals use econometric techniques in portfolio management, risk management and securities analysis. This unit is intended to provide students with the tools necessary for financial applications. Statistical techniques are developed within the context of particular financial applications. Recent empirical evidence is also discussed. Although ECON2032 is not a prerequisite, it is highly recommended.

Important Academic Dates
Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

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

   ULO1: Apply econometric methods to modelling, analysing and forecasting financial data.
   ULO2: Demonstrate and explain different estimation methodologies.
   ULO3: Critically evaluate empirical econometric work.
   ULO4: Present results based on financial econometric analysis, to a non-technical audience, in a clear and understandable manner.
General Assessment Information

Late submissions of assessments

Unless a Special Consideration request has been submitted and approved, no extensions will be granted. There will be a deduction of 10% of the total available assessment-task marks made from the total awarded mark for each 24-hour period or part thereof that the submission is late. Late submissions will only be accepted up to 96 hours after the due date and time.

No late submissions will be accepted for timed assessments – e.g., quizzes, online tests.

Table 1: Penalty calculation based on submission time

<table>
<thead>
<tr>
<th>Submission time after the due date (including weekends)</th>
<th>Penalty (% of available assessment task mark)</th>
<th>Example: for a non-timed assessment task marked out of 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;24 hours</td>
<td>10%</td>
<td>10% x 30 marks = 3-mark deduction</td>
</tr>
<tr>
<td>24-48 hours</td>
<td>20%</td>
<td>20% x 30 marks = 6-mark deduction</td>
</tr>
<tr>
<td>48-72 hours</td>
<td>30%</td>
<td>30% x 30 marks = 9-mark deduction</td>
</tr>
<tr>
<td>72 – 96 hours</td>
<td>40%</td>
<td>40% x 30 marks = 12-mark deduction</td>
</tr>
<tr>
<td>&gt;96 hours</td>
<td>100%</td>
<td>Assignment won’t be accepted</td>
</tr>
</tbody>
</table>

Special Consideration

To request an extension on the due date/time for a timed or non-timed assessment task, you must submit a Special Consideration application. An application for Special Consideration does not guarantee approval.

The approved extension date for a student becomes the new due date for that student. The late submission penalties above then apply as of the new due date.

Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class test</td>
<td>30%</td>
<td>No</td>
<td>Week 7 (during lecture time)</td>
</tr>
<tr>
<td>Assignment</td>
<td>30%</td>
<td>No</td>
<td>Week 10, Thursday 4pm (Sydney time)</td>
</tr>
<tr>
<td>Final examination</td>
<td>40%</td>
<td>No</td>
<td>University examination period</td>
</tr>
</tbody>
</table>
Class test
Assessment Type 1: Quiz/Test
Indicative Time on Task 2: 15 hours
Due: **Week 7 (during lecture time)**
Weighting: **30%**

The class test will be held online during the week 7 lecture time. The test will consist of multiple-choice questions, and will cover all material up to and including Week 5.

On successful completion you will be able to:
- Apply econometric methods to modelling, analysing and forecasting financial data.
- Demonstrate and explain different estimation methodologies.

Assignment
Assessment Type 1: Quantitative analysis task
Indicative Time on Task 2: 25 hours
Due: **Week 10, Thursday 4pm (Sydney time)**
Weighting: **30%**

A series of short answer questions exploring various aspects of Financial Econometrics.

On successful completion you will be able to:
- Critically evaluate empirical econometric work.
- Present results based on financial econometric analysis, to a non-technical audience, in a clear and understandable manner.

Final examination
Assessment Type 1: Examination
Indicative Time on Task 2: 30 hours
Due: **University examination period**
Weighting: **40%**

A two-hour open book examination will be held during the University Examination Period, and will consist of multiple-choice and short-answer questions. Computer outputs and statistical tables will be provided.
On successful completion you will be able to:

- Demonstrate and explain different estimation methodologies.
- Critically evaluate empirical econometric work.

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 Writing Centre 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**

**Delivery**

The intended delivery mode may need to change after the start of the session due to the evolving covid situation and students need to ensure they keep up with iLearn Announcements made during the session accordingly.

**Resources**

The prescribed textbook for the unit is:


In addition to the textbook, the following references are useful but are not required.


- Material such as lecture slides, examples, and tutorial questions will be available on the unit home page. The text and lecture notes, together with the lectures and additional references will provide students with a clear indication of the basic content of the unit.

- It is recommended that students attend all lectures and tutorials for several reasons including:

- Not all the material in the text is included in the unit, and not all the material in the unit is covered in the text. In some places the text deals with issues in greater depth than is necessary for the unit, and in other places it doesn’t go far enough. The lectures contain all the unit material
taught at the level required for the assessment tasks, and are your guide to the unit content.

• The approaches to some problems that are recommended by the lecturer are different to those in the text.

• The lectures will include guidance about the style and content of the final exam and recommendation about study technique.

• It is difficult (and often impossible) for staff to provide meaningful assistance to students outside class times on topics for which they did not attend the relevant lectures and tutorials.

**Technology Used and Required**

Students are required to use a computer to carry out certain tasks of the course, such as tutorials and assignments. The software programs used in this course include EViews 10 and Microsoft Excel.

**Unit Web Page**

• Course material is available on the learning management system (iLearn), which can be found at: http://ilearn.mq.edu.au.

**Unit Schedule**

Unit Schedule

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Lecture Topic</th>
<th>Tutorials</th>
</tr>
</thead>
</table>
| 1        | Characteristics of Financial Data; Revision of Basic Mathematical and Statistical Concepts  
Textbook: Chapter 1 and Chapter 2, all sections; 4th or 3rd Edition. Lecture Notes.  | No tutorial this week.          |
| 2        | Correlation and Basic Regression Methods  
Textbook: Chapter 3, all sections, excluding the appendix. 4th or 3rd Edition. Lecture Notes.  | Tutorial Week 2                 |
| 3        | Multiple Linear Regression Model  
Textbook: 4th Edition Chapter 4, Sections 4.1 to 4.7 inclusive, Section 4.9. Lecture Notes; or  
Textbook: 3rd Edition Chapter 4, Sections 4.1 to 4.8 inclusive, Section 4.10. Lecture Notes.  | Tutorial Week 3                 |
| 4        | Regression Model Diagnostics  
Textbook: 4th Edition Chapter 5, all sections. Chapter 10, Sections 10.1 to 10.3 inclusive. Lecture Notes; or  
Textbook: 3rd Edition Chapter 5, all sections. Chapter 10, Sections 10.1 to 10.3 inclusive. Lecture Notes.  | Tutorial Week 4                 |
| 5        | Time Series Models  
Textbook: 4th Edition, Chapter 6, Sections 6.1 to 6.5. Lecture Notes; or  
Textbook: 3rd Edition, Chapter 6, Sections 6.1 to 6.5. Lecture Notes.  | Tutorial Week 5                 |
<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Textbook References</th>
<th>Lecture Notes</th>
<th>Tutorial Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Class Test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mid-semester Break</td>
<td></td>
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<tr>
<td>8</td>
<td>Forecasting with Time Series Models (Pre-recorded lecture due to public holiday)</td>
<td>Textbook: 4th Edition, Chapter 6, Sections 6.10. Lecture Notes; or Textbook: 3rd Edition, Chapter 6, Sections 6.11 and 6.12. Lecture Notes.</td>
<td>Lecture is pre-recorded this week ONLY</td>
<td></td>
</tr>
</tbody>
</table>

### Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- **Academic Appeals Policy**
- **Academic Integrity Policy**

https://unitguides.mq.edu.au/unit_offerings/149900/unit_guide/print
Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

**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

**Academic Integrity**

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

**Student Support**

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

**The Writing Centre**

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- **Workshops**
- **Chat with a WriteWISE peer writing leader**
- **Access StudyWISE**
- **Upload an assignment to Studiosity**
Student Services and Support

Macquarie University offers a range of **Student Support Services** including:

- **IT Support**
- **Accessibility and disability support** with study
- **Mental health support**
- **Safety support** to respond to bullying, harassment, sexual harassment and sexual assault
- **Social support** including information about finances, tenancy and legal issues

**Student Enquiries**

Got a question? Ask us via [AskMQ](https://www.mq.edu.au/about_us/offices_and_units/information_technology/help/), or contact [Service Connect](https://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

**IT Help**

For help with University computer systems and technology, visit [http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/](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](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

The policy applies to all who connect to the MQ network including students.