1. Overview of ECON141

The aim of ECON141 is to acquaint students with econometric techniques frequently used in the analysis of economic, financial and marketing data. A basic level of competence in using these techniques, together with an appreciation of their strengths and limitations, is essential for economists, financial analysts and market researchers.

The unit builds on statistical techniques covered in STAT170 (Introductory Statistics) with emphasis given to applications in economics, finance and marketing. Mathematical proofs and derivations are considered only to the extent necessary to facilitate an understanding of key concepts and the interpretation of results.

During the semester students will be required to use the WINDOWS based computer program ECSTAT, which runs in EXCEL. The use of this computer program is an integral component of tutorial exercises, supplementary and revision exercises, and the assignment. Instruction in the use of the computer program will be given in lectures, tutorials and practicals as required. The computing component of the unit is not examinable in the within-semester class test, the mid-semester examination or end-of-semester examination.

"Louis Armstrong was an economist. Every note was important, and it counted for something."

–ABC television program on Jazz.

"Econometrics is the quantitative arm of economics. It is the closest that economics gets to being a science."

–Roger Tonkin
Lecturer in Econometrics
Macquarie University

2. Prerequisites

ECON141 has two prerequisites. Students must have obtained at least a PC (or CQ) in:

(i) STAT170, or STAT171; and
(ii) ECON110, or ECON111, or BBA103
3. **ECON141 Web Page and WebCT**

The web address for this unit is:  [http://online.mq.edu.au/pub/ECON141A/](http://online.mq.edu.au/pub/ECON141A/)

This web address is case sensitive. Students enrolled in ECON141 can log on to the Online Teaching Facility for the unit (i.e. WebCT) from the ECON141 Web Page.


4. **Workload**

Students are expected to devote AT LEAST nine hours each week to ECON141, including attendance at Lectures, Tutorials and the Computing Practical.


5. **Textbook**

The prescribed textbook for the unit is:

   Gujarati, D.N.
   ESSENTIALS OF ECONOMETRICS (Third edition)
   McGraw-Hill/Irwin, 2006

Bound copies of the Lecture Notes used in ECON141 can be purchased from the University Cooperative Bookshop. The Lecture Notes, together with the lectures and text-book references, will provide students with a clear indication of the content and scope of the unit.

Students enrolled in ECON141 are strongly advised to purchase a copy of the textbook and a copy of the Lecture Notes.
6. **Recommended Reference Books**

The following reference books are highly recommended for all students enrolled in ECON141:

- Studenmund, A.H.  
  **USING ECONOMETRICS: A PRACTICAL GUIDE** (Fifth edition)  
  Pearson/Addison-Wesley, 2006

- Dougherty, C.  
  **INTRODUCTION TO ECONOMETRICS** (Second edition)  
  Oxford University Press, 2002

These two books have excellent, non-technical discussions of the material discussed in ECON141. Some of the notation and some of the mathematical conventions used in formulae and equations in Studenmund’s book differ from the notation and conventions used in many introductory econometric textbooks and in ECON141. (For that reason, and only for that reason, Studenmund’s text book cannot be recommended as a prescribed textbook for ECON141.)

There is a strong argument that students should be made aware of the differences in notation and conventions that exist in the econometric literature. The book by Studenmund serves that purpose for students enrolled in ECON141, in addition to providing a clear non-technical discussion of basic econometric concepts and procedures.

7. **Supplementary Reading**

There are a number of introductory books on Economic Statistics, Regression Analysis and Econometrics. Students may find the following books useful:

- **Bechtold, B., and R. Johnson,**  
  *STATISTICS FOR BUSINESS AND ECONOMICS,*  
  PWS-Kent, 1989

- **Berenson M.L., and D.M. Levine**  
  *BASIC BUSINESS STATISTICS, 5th Edition,*  
  Prentice-Hall, 1992
Berry, W.D., and S. Feldman
MULTIPLE REGRESSION IN PRACTICE
Sage Publications, 1985

Croucher J.S., and E. Oliver
STATISTICS: A MODERN INTRODUCTION FOR BUSINESS AND MANAGEMENT,
McGraw-Hill, 1986

Dougherty, C.
INTRODUCTION TO ECONOMETRICS, 2nd edition
Oxford University Press, 2002

Halcoussis, D.,
UNDERSTANDING ECONOMETRICS,
South-Western (Thompson), 2005

Eastman B.D.
INTERPRETING MATHEMATICAL ECONOMICS AND ECONOMETRICS
St Martin's Press, 1984

Harrison, S.R., and R.H.U.. Tamaschke
APPLIED STATISTICAL ANALYSIS
Prentice-Hall, 1984

Harrison, S.R., and R.H.U.. Tamaschke
STATISTICS FOR BUSINESS, ECONOMICS AND MANAGEMENT
Prentice-Hall, 1993

Hebden, J.
STATISTICS FOR ECONOMISTS
Philip Allan, 1981

Hey, J.D.
STATISTICS IN ECONOMICS
Martin Robertson, 1974

Hill, C., W. Griffiths and G. Judge
UNDERGRADUATE ECONOMETRICS
John Wiley & Sons, 1997

Kelejian H.W., and W.E. Oates
INTRODUCTION TO ECONOMETRICS, 2nd Edition
Harper & Row, 1981
* Kennedy, P.
A GUIDE TO ECONOMETRICS, 5th Edition
Blackwell, 2003

Kenkel J.L.
INTRODUCTORY STATISTICS FOR MANAGEMENT & ECONOMICS,
3rd Edition PWS-Kent, 1984

* Lewis-Beck, M.S.
APPLIED REGRESSION: AN INTRODUCTION
Sage Publications, 1980

* Lewis, D.E., D.T. O'Brien and D. Thampapillai
STATISTICS FOR BUSINESS AND ECONOMICS

Mansfield E.
STATISTICS FOR BUSINESS & ECONOMICS, 2nd Edition
Norton, 1983

** Mirer T.W
ECONOMIC STATISTICS & ECONOMETRICS,
Macmillan, 1983

Round D.K., and A.J. Arnold
ECONOMIC AND BUSINESS STATISTICS PRACTICAL APPLICATIONS WITH MINITAB AND SAS,
Harper & Row, 1988

* Schroeder, L.D., D.L. Sjoquist and P.E. Stephan
UNDERSTANDING REGRESSION ANALYSIS: AN INTRODUCTORY GUIDE,
Sage Publications, 1986

Selvanathan A., Selvanathan S., Keller G., Warrack B., and H. Bartel
AUSTRALIAN BUSINESS STATISTICS
Thomas Nelson Australia, 1994

Thomas J.J.
AN INTRODUCTION TO STATISTICAL ANALYSIS FOR ECONOMISTS
Weidenfeld and Nicolson, 1983
** Thomas, R.L.
MODERN ECONOMETRICS: AN INTRODUCTION
Addison-Wesley, 1997.

Webster, A.
APPLIED STATISTICS FOR BUSINESS AND ECONOMICS
Irwin, 1992

Wonacott T.H., and Wonacott R.J.
INTRODUCTORY STATISTICS FOR BUSINESS AND ECONOMICS,

* Very good non-technical references
** Very good technical references

8. Learning Outcomes

All academic programs at Macquarie University seek to assist students develop generic skills in a range of areas. One of the aims of ECON141 is to assist students develop skills in numeracy, information technology, critical analysis and problem solving.

9. Teaching, Learning and Assessment Strategy

The purpose of the final examination for ECON141 is to assess each student’s understanding of the concepts and procedures discussed in lectures and tutorials.

A major aim of the within-semester assessment in ECON141 is to encourage and develop in students the capacity for self-motivated and self-directed learning.
10. Class Arrangements

Students enrolled in ECON141 are required to attend thirty-nine hours of lectures (i.e. three hours each week), ten one-hour tutorial classes, and one one-hour computing practical.

Non-attendance at lectures, tutorials, and the computing practical, is the surest way to guarantee failure.

Lectures:
- **Evening Stream**: Monday 6 – 9 pm, Mason Theatre
- **Day Stream**: Tuesday 1 – 4 pm, E7B T3

Tutorial Classes:
- Weeks 3, 5, 6, 7, 8, 9, 10, 11, 12 and 13

Computing Practical:
- Week 4

Lectures, tutorials and computing practicals commence at 5 minutes past the hour and end at 5 minutes to the hour.

<table>
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<tr>
<th>Week</th>
<th>Date</th>
<th>Tutorial Exercise</th>
<th>Tutorial Class</th>
<th>Computing Exercise</th>
<th>Computing Practical</th>
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<td>5</td>
<td>March 27 – 31</td>
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<td>6</td>
<td>April 3 – 7</td>
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<td>7</td>
<td>April 10 – 13</td>
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<td>8</td>
<td>May 1 – 5</td>
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<td>10</td>
<td>May 15 – 19</td>
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<td>May 22 – 26</td>
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<td>May 29 – June 2</td>
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<td>*</td>
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<tr>
<td>13</td>
<td>June 5 – June 9</td>
<td>*</td>
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<td>*</td>
</tr>
</tbody>
</table>

April 17: Easter Monday public holiday (Mid-Semester Recess)
April 25: Anzac Day public holiday (Mid-Semester Recess)
June 12: Queen's Birthday public holiday (Exam Period)
11. Prerequisite Revision Topics

Measures of Central Location in Populations and Samples
Measures of Variability in Populations and Samples
Summation Notation
The Relative Frequency definition of Probability
The Normal Distribution
The t-distribution
Sampling Distributions
Basic procedures in statistical inference
Properties of Estimators: Unbiasedness and Efficiency

12. Lecture Program

A full list of the lecture topics for ECON141 is provided on the next page.

Week 1  Introduction, Topics 1 & 2
Week 2  Topics 3, 4 & 5
Week 3  Topic 6
Week 4  Topics 7 & 9
Week 5  Topics 11 & 12
Week 6  Topics 15 & 16
Week 7  Topics 13 & 14
Week 8  Topics 17, 18 & 19
Week 9  Topics 20, 21 & 22
Week 10  Topics 23 & 24
Week 11  Topics 25 & 26
Week 12  Revision Examples
Week 13  Exam Briefing

Topic 8 is dealt with in the Computing Practical in Week 4.
Aspects of Topic 10 are discussed in the relevant lectures in Weeks 6 to 12.
13. Lecture Topics

TOPIC 1  Basic Statistical Concepts
TOPIC 2  Confidence Interval Estimation
TOPIC 3  Hypothesis Testing
TOPIC 4  Mathematical Expectation
TOPIC 5  Desirable Properties of Estimators
TOPIC 6  Two-Variable Regression Analysis
          The Model and Assumptions
          Estimation of the Two Variable Regression Model
TOPIC 7  Statistical Inference and Prediction in Regression Analysis
TOPIC 8  Computing in ECON141 - ECSTAT
TOPIC 9  An example of Regression Analysis using ECSTAT
TOPIC 10 Additional Computing Procedures
TOPIC 11 Non-Linearities in Regression Models
TOPIC 12 An example of Non-Linearity using ECSTAT
TOPIC 13 Correlation and Regression
TOPIC 14 ANOVA in the Two-Variable Regression Model
TOPIC 15 Multiple Regression Analysis
          The Model and Assumptions
          Estimation and Statistical Inference
TOPIC 16 Structural Change in Regression Models
          Dummy Variables in Regression Models
          Polynomial Regression Models
TOPIC 17 Examples of Multiple Regression using ECSTAT
TOPIC 18 ANOVA in Multiple Regression Models
TOPIC 19 Heteroscedasticity
TOPIC 20 Autocorrelation
TOPIC 21 The Durbin Watson Test
TOPIC 22 Examples of Autocorrelation using ECSTAT
TOPIC 23 Multicollinearity
TOPIC 24 Specification Error
TOPIC 25 Examples of Specification Error using ECSTAT
TOPIC 26 Seasonality in Regression Analysis

References for these topics are provided in an Appendix.
14. Tutorial/Computing Exercises

The tutorial program commences in Week 1. Students are required to attempt tutorial and/or computing exercises each week from Week 1 to Week 13 (inclusive). From Week 5 the tutorial exercises are based on computing exercises which must be completed before the tutorial exercise can be attempted.

Formal tutorial classes commence in Week 3, followed by a Computing Practical in Week 4. Computing Practicals replace tutorial classes in Week 4 only. Computing Practical groups are exactly the same as the Tutorial Groups. Locations for the Computing Practicals will be advised in the tutorials in Week 3 and on the ECON141 WebCT site.

After Week 4, formal tutorial classes continue in Weeks 5, 6, 7, 8, 9, 10, 11, 12 and 13.

There are no tutorial classes or computing practicals in Weeks 1 or 2.

Although there are no tutorial classes in Weeks 1 and 2 students should note that tutorial exercises have been set for each of the first two weeks. These exercises revise essential aspects of the statistical prerequisite material for the unit. They are an important part of the tutorial program and should not be neglected simply because there are no formal tutorial classes in those weeks. Students are expected to be able to complete the tutorial exercises set for Weeks 1 and 2 without assistance from staff. The solutions for these exercises will be placed on e-Reserve in the library, and on WebCT. Students may discuss any issues or difficulties arising from these exercises with staff during staff consultation hours.

Students should attempt as many exercises as possible before the tutorial sessions so that they may more effectively benefit from the discussion. It is important that students be in a position when they attend tutorials to indicate which aspects of the exercises should be given priority.

Details of the Tutorial and Computing Practical Exercises are provided in a separate handout. They can also be accessed on the ECON141 WebCT site.

Detailed tutorial solutions will be available on the ECON141 WebCT site, and on e-Reserve, after the relevant tutorials have been held.

Students are strongly advised to attend tutorials. The best advice that can be given to an ECON141 student is to attend lectures and tutorials, and to attempt the tutorial exercises before attending tutorials and before looking at the solutions on e-Reserve or on WebCT.
15. Assessment

There are three types of assessment in ECON141: an optional within-semester self-assessment component, an optional within-semester objective component, and a compulsory end-of-semester objective examination.

NOTE

It is the policy of the Economics Department that students enrolled in a unit offered by the Economics Department must pass the final examination to pass the unit.

Grades in ECON141 (S1, 2006) will be based entirely on the End-of-Semester Examination. i.e. The weight of the End-of-Semester Examination in the grade for ECON141 is 100%.

Students who do not attend the End-of-Semester ECON141 Examination will be given a grade of FA for the unit.

16. Optional Within-Semester Self Assessment

The optional within-semester self-assessment component consists of a series of Supplementary and Revision Exercises which students may work through in their own time, and which students mark themselves. Details of the Supplementary and Revision Exercises are provided in a separate handout. They can also be accessed from the ECON141 WebCT site.

Detailed Solutions for the Supplementary and Revision Exercises will be available on e-Reserve in the Library, and on the ECON141 WebCT site.

The purpose of the Supplementary and Revision Exercises is to enable students to judge for themselves how well they understand the lecture and tutorial material. The Supplementary and Revision Exercises are an extensive and exhaustive set of exercises. Many of the exercises are repetitive. It is not intended that students think that they must work through all of the exercises. Students should use these exercises to the extent that they believe they need additional practice, repetition and reinforcement in using the techniques and procedures discussed in the ECON141 lectures and tutorials.
17. **Optional Within-Semester Objective Assessment**

The optional with-semester objective component consists of:

(a) an optional Online Test of Revision Material  
(b) an optional Take-Home Mid-Semester Assignment  
(c) an optional Online Take-Home Examination

These three aspects of the assessment are entirely optional in the sense that students decide for themselves whether they submit the Test of Revision Material, submit the Assignment, submit the Mid-Semester Examination, or none of these. If students elect to submit the Test, submit the Assignment or submit the Mid-Semester Examination, their work will be marked objectively. The Test and the Mid-Semester Examination will be submitted and marked electronically on WebCT. The Assignment will be marked by staff and returned to students.

The purpose of these three optional aspects of the within semester assessment is to enable students to obtain an objective measure of how well they have understood the material covered in the first half of the lecture and tutorial program.

18. **Optional Online Test of Revision Material**

This Test will be distributed to students in the lectures in Week 4. The WebCT online submission deadline for this Test is 11:55 p.m. on Sunday 26th March.

19. **Optional Take-Home Mid-Semester Assignment**

The Assignment will be distributed to students in the lectures in Week 7. The deadline for submission of the Assignment is 6:00 p.m. on Monday 1st May. The Assignment must be placed in the ECON141 box in the EFS Resource and Information Centre (ERIC), E4B-106. After-hours submissions may be placed in the ERIC after-hours box. Do not submit assignments directly to the lecturer or to tutors. Do not submit assignments under the lecturer’s door or a tutor’s door. Even if your assignment is late it must be submitted in the ECON141 box in ERIC, or in ERIC’s after-hours box.

20. **Optional Online Mid-Semester Examination**

The Mid-Semester Examination will be distributed to students in the lectures in Week 8. The WebCT online submission deadline for the Mid-Semester Examination is 11:55 p.m. on Sunday 7th May.
21. End-of-Semester Examination

The final component of the assessment is compulsory. It is the End-of-Semester Examination. All students enrolled in ECON141 are required to attend the End-of-Semester Examination. The purpose of the End-of-Semester Examination is to objectively determine the grade for each student enrolled in ECON141.

22. Format of the End-of-Semester Examination

The End-of Semester Examination will have two sections: a multiple choice section, worth 40 marks, and a written-answer section, worth 60 marks.

The examinable content for the End-of-Semester examination consists of all the material discussed in lectures and tutorials from Weeks 1 – 13 (inclusive) except those tasks directly related to obtaining ECSTAT computing output. ECSTAT computing procedures are not examinable. However, students are required to be able to identify, summarise and discuss ECSTAT computer output.

23. Formulae Sheet

A formulae sheet will be provided to students in the End-of-Semester Examination. A copy of the formulae sheet will available on the ECON141 WebCT site for inspection by students two weeks prior to the examination, and discussed in the final Exam Briefing lecture in Week 13.

24. Calculators

Some numerical calculations will be required in the End-of-Semester Examination. A basic calculator is all that will be required to carry out these calculations. Students will be permitted to take non-programmable calculators only into ECON141 End-of-Semester Examination. A calculator is non-programmable if it does not have memory, or if it is capable of storing only numerical data in memory. Calculators that are capable of storing alphabetic characters in memory will NOT be permitted in the ECON141 End-of-Semester Examination.
25. **Supplementary Assessment**

Students who are prevented by circumstances beyond their control from attending the End-of-Semester Examination, or whose performance in the examination is affected by circumstances beyond their control, may submit a request for special consideration to be allowed to sit for a Supplementary End-of-Semester Examination, or to have these circumstances taken into account in determining the student’s grade. **Note:** Minor illnesses are **NOT** sufficient grounds for being granted special consideration.

Students will not be able to request special consideration for the optional within-semester components of assessment. That is, students will not be able to request permission to submit a Supplementary or Deferred Test of Revision Material, a Supplementary or Deferred Assignment, or a Supplementary or Deferred Mid-Semester Examination.

26. **Special Consideration**

The rules and procedures governing Special Consideration are set out on page 41 of the Macquarie University *2006 Handbook of Undergraduate Studies*. It is the responsibility of all students enrolled in ECON141 to ensure that they have read and understand the rules and procedures governing Special Consideration.
27. University Policy on Examination Attendance

Students are expected to attend the End-of-Semester examination at the time and place designated in the University Examination Timetable. The timetable will be available in draft form approximately eight weeks before the commencement of the examinations and in final form approximately four weeks before the commencement of the examinations. The Draft and Final Examination Timetable will be available at: http://www.timetables.mq.edu.au/exam

The only exception to not sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances a student may apply for Special Consideration. Information about unavoidable disruption and the Special Consideration process is available at: http://www.reg.mq.edu.au/Forms/APSCons.pdf

If a Supplementary Examination is granted as a result of the Special Consideration process the examination will be scheduled after the conclusion of the official examination period. Supplementary examinations conducted by the Division of Economic and Financial Studies for first semester units are normally scheduled during the period between the release of the examination grades and the start of the second semester.

It is Macquarie University policy not to set special early examinations for particular individuals or groups of students. All students are expected to ensure that they are available for examinations until the end of the teaching semester; that is, until the final day of the official examination period.

28. University Policy on Appeals by Students Against Grades

The rules and procedures governing Appeals by Students Against Grades are set out on pages 44-45 of the Macquarie University 2006 Handbook of Undergraduate Studies. It is the responsibility of all students enrolled in ECON141 to ensure that they have read and understand the rules and procedures governing Appeals by Students Against Grades.
29. Lecturer

Roger Tonkin  E4A-524  Ph: 9850-8494
email: rtonkin@efs.mq.edu.au

30. Tutor-In-Charge and Web-Master

Baiding Hu  E5A-420  Ph: 9850-8495
email: bhu@efs.mq.edu.au

31. Other ECON141 Staff

A list of room numbers, University phone numbers and email addresses for other full-time staff teaching in ECON141 will be provided to students on the ECON141 WebCT site as soon as the teaching arrangements have been finalised.

32. Staff Consultation Hours.

Students are encouraged to consult the teaching staff of ECON141 on all matters relating to the unit, particularly issues or difficulties arising from the lecture and tutorial content, during staff consultation hours. Details of consultation hours will be displayed on the office doors of the full-time ECON141 staff and on the ECON141 WebCT site.

33. After-Hours Consultation

Part-time and evening students may contact the Lecturer-in-Charge, Roger Tonkin, or the Tutor-In-Charge, Baiding Hu, to arrange a suitable time for an appointment outside the scheduled staff consultation hours, particularly after 5 pm if consultation before 5 pm is not possible because of employment, etc.

Roger Tonkin
Lecturer in Charge
Email: rtonkin@efs.mq.edu.au
February 2006
APPENDICES

(1) Greek Alphabet

(2) References

(3) Standardised Numerical Grades (SNGs)

(4) Plagiarism

(5) Student Support Services

(6) Nine Key Strategies for Surviving and Passing ECON141
APPENDIX (1) : GREEK ALPHABET

Listed below are the upper and lower case letters of the Greek alphabet and their names. Greek symbols are used extensively in the discussion of econometric methods.

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<thead>
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<th>Large character</th>
<th>Small Character</th>
<th>Name</th>
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<th>Small Character</th>
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APPENDIX (2) : REFERENCES

A detailed list of references for ECON141 is given in the tables on the next two pages. The two sources for these references are the second edition of the current textbook, written by Gujarati, and a previous textbook, written by Harrison and Tamaschke:

Gujarati, D.
ESSENTIALS OF ECONOMETRICS
Second Edition
Irwin/McGraw-Hill, 1999

Harrison, S.R. and Tamaschke R. H. V.
STATISTICS FOR BUSINESS, ECONOMICS AND MANAGEMENT
Prentice-Hall, 1993

References from the current textbook, Gujarati D.N., ESSENTIALS OF ECONOMETRICS, Third Edition, McGraw-Hill/Irwin, 2006, will be provided in the relevant lectures.
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<th>Reference in Gujarati</th>
<th>Reference in Harrison &amp; Tamaschke</th>
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<td><strong>Basic Statistical Concepts: A Review</strong></td>
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APPENDIX (3) : STANDARDISED NUMERICAL GRADES

The Academic Senate has a set of guidelines on the distribution of grades across the range from fail to high distinction. Your final result will include one of these grades plus a standardised numerical grade (SNG).

On occasion your raw mark for a unit (i.e. the total of your marks for each assessment item) may not be the same as the SNG which you receive. Under the senate guidelines, results may be scaled to ensure that there is a degree of comparability across the university, so that units with the same past performances of their students should receive similar results.

It is important that you realise that the policy does not require that a minimum of students be failed in any unit. In fact it does something like the opposite, in requiring examiners to explain their actions if more than 20% of students fail in a unit.

The process of scaling does not change the order of marks among students. A student who receives a higher raw mark than another will also receive a higher final scaled mark.

For an explanation of the policy see:

APPENDIX (4) : PLAGIARISM

The University defines plagiarism in its rules: ‘Plagiarism involves using the work of another person and presenting it as one’s own.” Plagiarism is a serious breach of the University’s rules and carries significant penalties. You must read the University’s practices and procedures on plagiarism. These can be found in the Macquarie University 2006 Handbook of Undergraduate Studies (pages 19 and 46-47) or on the web at: http://www.student.mq.edu.au/plagarism/

The policies and procedures explain what plagiarism is, how to avoid it, the procedures that will be taken in cases of suspected plagiarism, and the penalties if you are found guilty. Penalties may include a deduction of marks, failure in the unit, and/or referral to the University Discipline Committee.

APPENDIX (5) : STUDENT SUPPORT SERVICES

Macquarie University provides a range of Academic Student Support Services. Details of these services can be accessed at http://www.student.mq.edu.au.
APPENDIX (6):

NINE KEY STRATEGIES FOR SURVIVING ECON141 .... AND PASSING

1. Attend as many lectures as possible.

2. Attend as many tutorials as possible.

3. Attempt the tutorial exercises before the relevant tutorials.

4. If you miss a tutorial, make sure you attempt the exercises before you inspect the answers on e-Reserve or on WebCT.

5. Attempt the Optional Within-Semester Assessment.

6. After each tutorial if you need additional practice exercises attempt as many of the relevant supplementary & revision exercises as required until you feel you have mastered the techniques contained in those exercises.

7. Attempt the Supplementary & Revision exercises before you inspect the answers on e-Reserve or on WebCT.

8. If you don’t understand the material in the tutorials, the computing practical, or the supplementary & revision exercises, consult the ECON141 staff as soon as possible. Don’t wait till later in the semester.

9. Keep up to date with the work. Don’t fall into the trap of thinking you will be able to do the work later.