



**College of Commerce
Division of Economic and Financial Studies
Department of Business**

DEM127

Elements of Demography

Unit Outline

Semester 1, 2007

Unit Co-ordinator: Dr. Fei Guo

Lecture Times and Locations:

Monday: 15:05 – 15:55pm C5C T2

Wednesday: 11:05 – 11:55am C5C T1

DEM127: ELEMENTS OF DEMOGRAPHY

First Semester 2007

Students in this unit should read this unit outline carefully at the start of semester. It contains important information about the unit. If anything in it is unclear, please consult one of the teaching staff in the unit.

ABOUT THIS UNIT

About Demography

Demography is the study of the changing size and composition of human populations, and the causes and consequences of such change. This unit will be useful not only to those with an interest in learning about population change it will also provide knowledge and skills which will be valuable to those aiming to pursue study or careers in marketing, market research, economics, statistics, health, business and many other areas. The size and composition of markets, electorates, public service clienteles and the labour force all are related to demography. Because of this, demographic analysis can assist planning marketing campaigns, retail site location, electoral campaign strategies and public sector resource allocation decisions, such as where to build schools and hospitals.

Credit Points for the Unit: 3

The Rationale and Objectives of the Unit

This unit will introduce students to the study of demography and provide a platform of knowledge and skills for further studies in this field. The main objective is to introduce students to the analysis of changes in population size and composition. The patterns of fertility, mortality and migration in Australia and other countries will be described, and their implications for population size and composition outlined. The main sources of demographic data and the main techniques for analysing population change will be introduced. Practical applications of demography in the public sector and the private sector will be discussed.

In addition to developing a knowledge of the basic elements of demography, the unit will assist students in developing skills in note-taking, accessing and analysing data, problem solving and critical thinking.

TEACHING STAFF

<u>Name</u>	<u>Task</u>	<u>Room</u>	<u>Phone No.</u>	<u>Email</u>
Dr. Fei Guo	Lecturer-in-charge	E4A-627	9850 8445	fguo@efs.mq.edu.au
Ms Linda Owens	Lecturer/Tutor	E4A-552	9850 8559	lowens@efs.mq.edu.au
Miss Kirsty Wright	Tutor	TBA		wrightkirsty@optusnet.com.au
Miss Elizabeth Crombie	Tutor	TBA		elizabeth_crombie@hotmail.com

Consultation Hours

Students are most welcome to visit staff connected with the unit during their consultation hours. If you cannot make the scheduled consultation hours you are still welcome to visit staff, however, since there is no guarantee that staff will be available outside the consultation hours, phoning or emailing to make an appointment would be advisable.

Name	Scheduled Consultation Hours
Dr Fei Guo	Monday 10:30am–12:30pm Tuesday 10:30am – 12:30pm
Other teaching staff	By appointment via email

CLASSES

Lectures and Tutorials: Times and Venues

Students are expected to attend both lectures and one specified tutorial per week.

The times and venues of the lectures are:

Monday 15:05 – 15:55pm in C5C T2

Wednesday 11:05 – 11:55am in C5C T1

The times and venues of the tutorials are:

Wednesday 14:05 – 14:55pm in W6B 325

Wednesday 14:05 – 14:55pm in C4A312

Wednesday 15:05 – 15:55pm in C5A401

Wednesday 16:05 – 16:55pm in C5A401

Thursday 14:05 – 14:55pm in E5A118

Thursday 14:05 – 14:55pm in C5A232

Thursday 15:05 – 15:55pm in C5A226

Please bring a calculator, lecture notes and the textbook to all tutorials. *Please note that there will be no tutorials in the first two weeks of this semester.*

REQUIRED AND RECOMMENDED TEXTS AND MATERIALS

Recommended Textbook

Rowland, Donald (2003) *Demographic Methods and Concepts*, Oxford University Press. The book is available for purchase from the Co-op Bookshop.

or

A.H. Pollard, Farhat Yusuf and G.N. Pollard, *Demographic Techniques* (third edition, 1990).

Copies of the sections relevant to this unit (Chapters 1-6 and 8) have been placed, with the authors' permission, on the Macquarie University library E-Reserve page

<http://www.library.mq.edu.au/reserve/> .

Other Useful Sources of Information

Parr, N.J. and Farhat Yusuf *A Workbooklet in the Elements of Demography* (available via the DEM127 webpage http://www.bus.mq.edu.au/data/assets/pdf_file/17836/workbooklet.pdf) includes many data analytic exercises that should help students to prepare for tutorials, class tests and the final examination.

Khoo, S.E. and McDonald, P. (2003) *The Transformation of Australia's Population 1970-2030*. UNSW Press. Chapters 2-6 and 8 provide a useful material for several of the substantively-based topics. This reference can be viewed as an e-book via the library reserve page.

A list of other useful sources of demographic references can be accessed from the Demography web site http://www.bus.mq.edu.au/bus_quick_links/demography/links .

Overheads and Note-taking

The overheads and other relevant lecture and tutorial materials can be accessed via WebCT. Copies of a selection of the overheads shown in lectures will also be available on the Reserve Collection page of the Macquarie University library website <http://www.lib.mq.edu.au/reserve/> .

Note that the overheads offer only a skeletal coverage of the topics covered in lectures that must be augmented by additional note-taking during the lecture or using the recommended references. Please also note that only some of the overheads shown in lectures are available (eg. ones with key formulae or definitions or with tables of data that would be too lengthy to copy down during a lecture).

UNIT WEB PAGE

The address of the Macquarie University Demography website is www.bus.mq.edu.au/dem/ . The site contains an array of materials relating to the various undergraduate units in demography.

WebCT

Students can access to this unit using the following address: <http://online.mq.edu.au> . This page supports the lecture notes, unit outline, assignments, and any other information that is deemed relevant to the unit. Students who experience technical problems accessing WebCT should contact Ms. Yang Yang in Room E4A624 or by email yyang@efs.mq.edu.au .

iLectures

It is planned that DEM127 lectures will be recorded using the iLecture system. Students may access files through the Macquarie University Online Teaching Facility <http://online.mq.edu.au> using your Student ID number and your myMQ Portal password. Whilst the iLectures may provide an additional resource, students are advised that no guarantees are given in relation to the availability or quality of the sound recordings or the functioning of any related websites or links to files of recordings of lecture slides. Students are expected to attend the lectures on a regular basis and to compile notes during the course of the lectures. Thus any failing of the iLectures will not be accepted as grounds for appeal.

LEARNING OUTCOMES

The main outcomes that students are expected to achieve from this unit include:

- knowledge of the basic demographic concepts;
- knowledge of the sources of demographic data;
- ability to use basic demographic techniques to calculate and interpret demographic measures;
- ability to analyse changes in population size and composition in Australia;
- understanding of the patterns of fertility, mortality and migration in Australia;
- knowledge of the uses of demography in public and private sectors; and
- ability to write compile notes and write short essays on relevant demographic topics.

In addition to the discipline-based learning objectives, all academic programs at Macquarie seek to develop students' generic skills in a range of areas. One of the aims of this unit is that students develop their skills in the following:

- foundation skills of literacy and numeracy;
- information literacy skills;
- analytic and problem-solving skills
- memory skills
- combinations of these skills.

TEACHING AND LEARNING STRATEGY

The teaching strategy consists of the provision of information in the two weekly lectures on Monday and Wednesday and one specified weekly tutorial (starting week three). Copies of overhead slides for each topic will be provided via the Library e-Reserve page and WebCT and should be printed out before the lecture. The iLectures on each topic will assist students' revision of each lecture at their own pace. It is expected that students will attend the two weekly lectures and one tutorial on a regular basis and will actively take notes during the lectures.

In addition to the time spent attending lectures and tutorials and doing assignments, each student is expected to spend a significant amount of time preparing for lectures and tutorials, updating lecture notes, learning the key formulae, attempting exercises from the textbook, reading the demographic literature, and revising for tests and exams (12 hours per week is recommended).

A week-by-week list of the topics covered is provided on the following page.

DEM127: ELEMENTS OF DEMOGRAPHY
SCHEDULE OF LECTURES
First Semester, 2007

Date	Topic	Lecturer	Tutorials & Assignments
Week 1 Monday 26 Feb. Wednesday 28 Feb.	Introduction to demography Sources of demographic data I	FG MB	No tutorial
Week 2 Monday 5 March Wednesday 7 March	Sources of demographic data II Basic demographic measures I	MB LO	No tutorial
Week 3 Monday 12 March Wednesday 14 March	Basic demographic measures II Basic demographic measures III	LO LO	Tutorial 1 Assignment 1 given out in tute
Week 4 Monday 19 March Wednesday 21 March	Computation of life tables I Computation of life tables II	LO LO	Tutorial 2 Assignment 1 due Assignment 2 given out in tute
Week 5 Monday 26 March Wednesday 28 March	Uses of life tables International migration in Australia	LO FG	Tutorial 3 Assignment 2 due
Week 6 Monday 2 April Wednesday 4 April	Marriage and Family in Australia Class Test 1	FG FG	No tutorial
Mid-Semester Teaching Break (5 April to 22 April)			
Week 7 Monday 23 April Wednesday 25 April	Measurements of fertility <i>Public Holiday – no class</i>	LO	Tutorial 4 Assignment 3 given out in tute
Week 8 Monday 30 April Wednesday 2 May	Measurement of mortality & standardisation Fertility trends & differentials in Australia	FG FG	Tutorial 5 Assignment 3 due Assignment 4 given out in tute
Week 9 Monday 7 May Wednesday 9 May	Population projections I Population projections II	FG FG	Tutorial 6 Assignment 4 due Assignment 5 given out in tute
Week 10 Monday 14 May Wednesday 16 May	Mortality trends & differentials in Australia Internal migration & population distribution in Australia	FG FG	Tutorial 7 Assignment 5 due
Week 11 Monday 21 May Wednesday 23 May	World population growth Class Test 2	FG FG/LO	No tutorial
Week 12 Monday 28 May Wednesday 30 May	Demography of Australia's Aborigines Uses of demography in the public sector	MB Guest	Tutorial 8
Week 13 Monday 4 June Wednesday 6 June	Uses of demography in the private sector Conclusion: Exam format & unit evaluation	Guest FG	No tutorial

Lecturers: (FG) Dr. Fei Guo, (LO) Ms. Linda Owens, (MB) Ms. Monica Byrnes

RELATIONSHIP BETWEEN ASSESSMENT AND LEARNING OUTCOMES

Assessment will be by five assignments, two class tests, and a final examination. The weighting given to the various assessment tasks will be:

Assignments (five in total)	10%
Class Test 1	10%
Class Test 2	10%
Final Exam	70%

The five assignments are designed to help students to practise what they have learned in the lectures. Major demographic concepts and techniques introduced in the lectures are incorporated into the five assignments. Questions in the class tests and the final exam will include calculating and interpreting major demographic measures, explaining demographic concepts, and writing short notes on certain demographic topics. The two class tests will also include a section of multiple choice questions which will be used to assess students' knowledge and understanding of the basic demographic concepts, structures and trends. All questions are designed to assess students' learning outcomes listed in the above section.

Details of the dates for distribution of and submission of assignments are presented on the schedule of lectures. All assignments submitted should have a cover sheet which clearly states the student's name, ID number, the name and code of the unit, the tutor's name, and the number and date of submission of the assignment.

The due dates and times for the submission of assignments will be the dates and times of the tutorials. All assignments should be submitted to your tutor at the tutorial. Penalties will be incurred for the late submission of assignments, unless satisfactory evidence of unavoidable disruption is presented. Tutors may refuse to mark the work of students who have a poor record of attendance or who have previously been late in submitting assignments (without satisfactory evidence of unavoidable disruption).

Students will be permitted to use a small battery-operated calculator in tests and exam, provided it does not have a text-returnable capacity. Dictionaries are not allowed in class tests and exam.

Students are advised that a poor record of attendance in lectures and tutorials may adversely affect the grade awarded. Satisfactory attendance in lectures (75%) and tutorials (75%) and other activities may be used to determine a marginal grade. A marginal performance in the final examination will normally result in a marginal final grade being given.

The University Examination period in the First Half of Year 2007 is from 13th June to 29th June. You are expected to present yourself for 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 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 you may wish to consider applying 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. Note that there is a Division policy regarding requests for special consideration for examinations and the granting of supplementary examinations, which can be found at:

http://www.ef.s.mq.edu.au/student_support/important_processes/special_consideration

You are advised that it is Macquarie University policy NOT to set early examinations for individuals or groups of students. All students are expected to ensure that they are available until the end of the teaching semester, that is the final day of the official examination period.

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 *Handbook of Undergraduate Studies* or on the web at:

<http://www.student.mq.edu.au/plagiarism/>

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.

UNIVERSITY POLICY ON GRADING

Academic Senate has a set of guidelines on the distribution of grades across the range from fail to high distinction.

High Distinction	(HD)
Distinction	(D)
Credit	(Cr)
Pass	(P)
Conceded Pass	(PC)
Fail	(F)

Your final result will include one of these grades plus a standardised numerical grade (SNG). Please note that the raw marks for a unit (i.e. the weighted average 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 achieve similar results.

For an explanation of the policy see <http://www.mq.edu.au/senate/rules/Guidelines2003.doc> or <http://www.mq.edu.au/senate/rules/detailedguidelines.doc> .

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/>.

MACQUARIE UNIVERSITY

Professional Authority Form

This form must be completed by a professional authority.

Students at Macquarie University are able to apply for special consideration if they are unable to attend an examination or if they consider that their examination preparation or overall performance in a unit of study has been affected by unavoidable disruption or misadventure. Special consideration may also be granted if a student is forced to leave the examination room early due to illness or unavoidable disruption and believes that his/her examination performance has been affected. In most circumstances documentary evidence is required before special consideration will be granted and your assistance in providing information on the student's illness or misadventure would be appreciated. The information you provide will allow the University to make a fair decision about the student's academic performance and will only be used to assess the student's request for special consideration. If special consideration is requested on non-medical grounds, appropriate supporting documentation must be provided, e.g. statutory declarations by independent witnesses, police reports, or statements from sufficiently senior officials in the place of employment. Photocopies of documents will not be accepted unless they have been certified by a member of the Registrar's staff.

Professional Use Only

Student's Name: ID Number:

Date of Consultation:

Date/s of illness or misadventure: From: To:

Please tick the box which best describes the student's illness or misadventure

In my opinion the effect of the illness or misadventure on the above day/s was (or will be): Negligible () mild () moderate () severe ()

Was the student suffering from symptoms of the illness or misadventure on the date of the consultation? Yes/No Please provide details of misadventure or illness including symptoms and the way in which the circumstances are likely to affect exam performance. Is the illness or misadventure related to or as a result of a pre-existing condition? Give details below.

Three horizontal lines for providing details of misadventure or illness.

Name and Title:

Profession:

Provider Number:

Signature:

Phone number/s:

Stamp or seal of Professional Authority

Stamp or seal of Professional Authority (or attach letterhead)