



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

DEM127

Demographic Fundamentals

UNIT OUTLINE

SEMESTER 2, 2008

Lecturer-in-charge: Dr. Fei Guo

Pre-requisites/Co-requisites: None

Lecture Times and Locations:

Monday: 18:05 – 18:55, W5A Price

Tuesday: 18:05 – 18:55, C5C T1

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 the staff in the unit.

DEM127: DEMOGRAPHIC FUNDAMENTALS

About This Unit

Demography is the study of the changing size and composition of human populations, and the causes and consequences of such change. This subject 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
Dr. Nick Parr	Lecturer/Tutor	E4A-626	9850 8570	nparr@efs.mq.edu.au
Professor Farhat Yusuf	Tutor	E4A-641	98508565	fyusuf@efs.mq.edu.au
Ms Linda Owens	Tutor	E4A-552	9850 8559	lowens@efs.mq.edu.au

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	Tuesday 1:00pm–4:00pm
Dr. Nick Parr	Wednesday 10:00am-11:00am, 3:00pm-4:00pm
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 18:05 – 18:55pm in W5A PRICE

Tuesday 18:05 – 18:55pm in C5CT1

The times and venues of the tutorials are:

Monday 19:05 – 19:55pm in W6B286

Monday 20:05 – 20:55pm in C5A404

Tuesday 16:05 – 16:55pm in C5A310

Tuesday 16:05 – 16:55pm in W6B286

Tuesday 17:05 – 17:55pm in E6A108

Tuesday 17:05 – 17:55pm in C5A310

Wednesday 13:05 – 13:55pm in C5A307

Please bring a calculator, lecture notes and the textbook to all tutorials. *Please note that there will be no tutorials in the first week 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 Recommended Book

Khoo, S.E. and McDonald, P. (2003) *The Transformation of Australia's Population 1970-2030*. UNSW Press. Chapters 2-6 and 8 provide very useful materials for several of the substantively-based topics. This book is available for purchase from the Co-op Bookshop. It can also be viewed as an e-book via the library webpage.

Other Useful Sources of Information

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 e-reserve page <http://www.lib.mq.edu.au/reserve/>.

Parr, N.J. and Farhat Yusuf, *A Workbooklet in the Elements of Demography* (available via the DEM127 webpage or from the library e-reserve webpage <http://www.lib.mq.edu.au/reserve/>) includes many data analytic exercises that should help students to prepare for tutorials, class tests and the final examination.

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

Copies of a selection of the overheads shown in lectures will be made available via Online Learning @ MQ <http://learn.mq.edu.au>.

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

Students may access unit material online through the Macquarie University Online Learning Facility <http://learn.mq.edu.au> using your Student ID Number and your Online Learning @ MQ password. A link to this facility, along with a limited range of other course materials, is also available via http://www.bus.mq.edu.au/undergraduate/units/DEM_units/dem127_elements_of_demography. Macquarie University Demography website is at: http://www.bus.mq.edu.au/bus_quick_links/demography.

iLectures

Lectures will be recorded using the iLectures system and can be accessed via <http://learn.mq.edu.au>. 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 lectures. 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 Strategies

The teaching strategy consists of the provision of information in the two weekly lectures on Monday and Wednesday and one specified weekly tutorial. Copies of overhead slides for each topic will be provided via Online Learning @ MQ <http://learn.mq.edu.au>. It is recommended students print a copy of the slides beforehand and bring them to the lecture. It is expected that students will attend both the two weekly lectures and tutorial on a regular basis and will take additional 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 and workbooklet, 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: DEMOGRAPHIC FUNDAMENTALS
SCHEDULE OF LECTURES
Second Semester, 2008

Date	Topic	Lecturer	Tutorials & Assignments
Week 1 Monday 4 Aug. Tuesday 5 Aug.	Introduction to demography Sources of demographic data I	FG FG	<i>No tutorial</i>
Week 2 Monday 11 Aug. Tuesday 12 Aug.	Sources of demographic data II Basic demographic measures I	FG FG	Tutorial 1
Week 3 Monday 18 Aug. Tuesday 19 Aug.	Basic demographic measures II Basic demographic measures III	FG FG	Tutorial 2 Assignment 1 given out in tute
Week 4 Monday 25 Aug. Tuesday 26 Aug.	Computation of life tables I Computation of life tables II	FG FG	Tutorial 3 Assignment 1 due in tute Assignment 2 given out in tute
Week 5 Monday 1 Sep. Tuesday 2 Sep.	Uses of life tables Measurements of fertility	FG FG	Tutorial 4 Assignment 2 due in tute
Week 6 Monday 8 Sep. Tuesday 9 Sep.	Class Test 1 (lecture time slot W5APrice) Fertility trends & differentials in Australia	FG FG	Tutorial 5 Assignment 3 given out in tute
Week 7 Monday 15 Sep. Tuesday 16 Sep.	Measurement of mortality & standardisation Mortality trends & differentials in Australia	FG FG	Tutorial 6 Assignment 3 due in tute Assignment 4 given out in tute
Mid-Semester Teaching Break (22nd September to 3rd October)			
Week 8 Monday 6 Oct. Tuesday 7 Oct.	<i>Public Holiday – no class, no tutorial</i> Demography of Australia's Aborigines	Guest	Tutorial 7 Assignment 4 due in lecture
Week 9 Monday 13 Oct. Tuesday 14 Oct.	Population projections I Population projections II	NP NP	Tutorial 8 Assignment 5 given out in tute
Week 10 Monday 20 Oct. Tuesday 21 Oct.	International migration in Australia Marriage and Family in Australia	NP NP	Tutorial 9 Assignment 5 due in tute
Week 11 Monday 27 Oct. Tuesday 28 Oct.	Class Test 2 (lecture time slot W5APrice) Internal migration & population distribution in Australia	NP NP	Tutorial 10
Week 12 Monday 3 Nov. Tuesday 4 Nov.	World population growth Uses of demography in the public sector	NP Guest	Tutorial 11
Week 13 Monday 10 Nov. Tuesday 11 Nov.	Uses of demography in the private sector Conclusion: Exam format & unit evaluation	Guest NP	Tutorial 12

Lecturers: (FG) Dr. Fei Guo, (NP) Dr. Nick Parr.

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 unless it is specified otherwise. 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 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. Satisfactory attendance is 75% of tutorials and 75% of lectures.

Examinations

The University Examination period in the Second Half of Year 2008 is from 19th November to 5th December. 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.

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.

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>.

Classroom Etiquette

Students are expected to arrive on time, certainly before five minutes past the hour, and not to leave until the class ends. If you have a recurring problem that makes you late, or forces you to leave early, have the courtesy to discuss this with your lecturer/tutor. Students are expected to be quiet during lectures unless, of course, class participation is required. Mobiles should be turned off during classes, not simply set to “silent”.

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.

Name and Title: _____

Profession: _____

Provider Number: _____

Signature: _____

Phone number/s: _____

Stamp or seal of Professional Authority (or attach letterhead)