



College of Commerce
Division of Economic and Financial Studies
Business Department

DEM127:

Elements of Demography

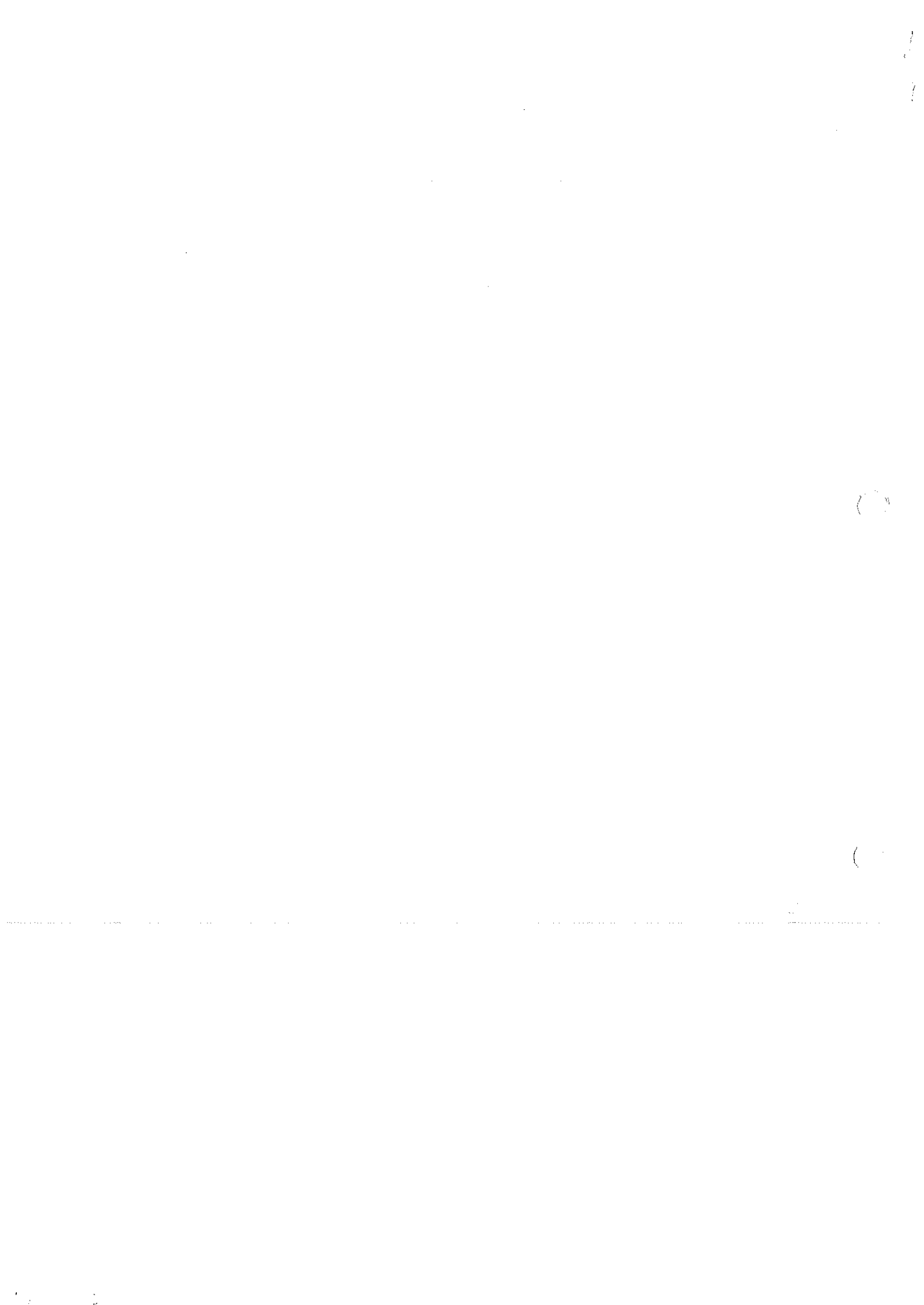
Unit Outline

Second Semester, 2004

Unit Co-ordinator: Dr. Fei Guo

Lecture Times: Monday: 6:05pm – 6:55pm
Tuesday: 6:05pm – 6:55pm

Location: W5A T2



DEM127: ELEMENTS OF DEMOGRAPHY

Second Semester 2004

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 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 this 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, critical thinking, and library research.

TEACHING STAFF

<u>Name</u>	<u>Task</u>	<u>Room</u>	<u>Phone No.</u>	<u>Email</u>
Dr. Fei Guo	Lecturer-in-Charge	C5C-318	9850 8445	fguo@efs.mq.edu.au
Dr. Nick Parr	Lecturer	C5C-326	9850 8570	nparr@efs.mq.edu.au
Ms Linda Owens	Tutor	C5C-484	9850 8559	lowens@efs.mq.edu.au
Ms. Amy Lo	Tutor			amylo@optusnet.com.au
Ms. Alison Culpin	Tutor			Alison.Culpin@det.nsw.edu.au

Consultation Hours

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

Name	Scheduled Consultation Hours
Dr Fei Guo	Tuesday 10:30am to 12:30pm
Dr. Nick Parr	Wednesday 1:30pm – 3:30pm

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 6:05-6:55pm in W5A T2

Tuesday 6:05-6:55pm in W5A T2

The times and venues of the tutorials are:

Monday 7:05 - 7:55pm in C5A404

Tuesday 4:05 - 4:55pm in C5A401

Tuesday 4:05 – 4:55pm in W5C303

Tuesday 5:05 – 5:55pm in C5A307

Tuesday 5:05 – 5:55pm in C5A401

Please note that the tutorial on Mondays at 5.05pm has been cancelled. If you were enrolled in this tutorial, please reschedule your tutorial for either 4.05pm or 5.05pm on Tuesday. Please inform the Lecturer-in-charge of your rescheduled tutorial time for class management purposes.

Please bring a calculator, lecture notes and the textbook to all tutorials. Final tutorial lists will be posted on the DEM127 bulletin board (www.bus.mq.edu.au/dem/127bulletin.htm). *Please note that there will be no tutorials in the first two weeks of this semester.*

DEM127: ELEMENTS OF DEMOGRAPHY
SCHEDULE OF LECTURES
Second Semester, 2004

Date	Topic	Lecturer	Tutorials & Assignments
Week 1 Monday 2 August Tuesday 3 August	Introduction to demography Sources of demographic data I	FG NP	No tutorial
Week 2 Monday 9 August Tuesday 10 August	Sources of demographic data II Basic demographic measures I	NP NP	No tutorial Assignment 1 given out in lecture
Week 3 Monday 16 August Tuesday 17 August	Basic demographic measures II Basic demographic measures III	NP NP	Tutorial 1 Library Research Assignment given out in tute
Week 4 Monday 23 August Tuesday 24 August	Computation of life tables I Computation of life tables II	FG FG	Tutorial 2 Assignment 1 due Assignment 2 given out in tute
Week 5 Monday 30 August Tuesday 31 August	Uses of life tables International migration & Australia	FG FG	Tutorial 3 Assignment 2 due
Week 6 Monday 6 September Tuesday 7 September	Measurement of fertility Class Test No. 1	NP FG/NP	No tutorial
Week 7 Monday 13 September Tuesday 14 September	Demography of Australia's Aborigines Measurement of mortality and standardisation	Guest FG	Tutorial 4 Class test 1 returned Assignment 3 given out in tute
Recess (18 September – 4 October)			
Week 8 Monday 4 October Tuesday 5 October	<i>Public Holiday (no class)</i> Marriage and Family in Australia	FG	Tutorial 5 Assignment 3 due Assignment 4 given out in tute
Week 9 Monday 11 October Tuesday 12 October	Population projections I Population projections II	FG FG	Tutorial 6 Assignment 4 due Assignment 5 given out in tute
Week 10 Monday 18 October Tuesday 19 October	Mortality trends and differentials in Australia Internal migration & population distribution	NP NP	Tutorial 7 Assignment 5 due
Week 11 Monday 25 October Tuesday 26 October	Class Test No. 2 Fertility trends and differentials in Australia	FG/NP FG	No tutorial
Week 12 Monday 1 November Tuesday 2 November	Uses of demography in the private sector Uses of demography in the public sector	Guest Guest	Tutorial 8 Class test 2 returned
Week 13 Monday 8 November Tuesday 9 November	World population growth Conclusion	NP FG	No tutorial

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

REQUIRED AND RECOMMENDED TEXTS AND MATERIALS

Prescribed Textbook

A.H. Pollard, Farhat Yusuf and G.N. Pollard, *Demographic Techniques* (third edition, 1990). The sections relevant to this unit (Chapters 1-6 and 8) are available for photocopying in ERIC (C5C244).

or

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

Other Useful Sources of Information

Parr, N.J. and Farhat Yusuf *A Workbooklet in the Elements of Demography* (available via the DEM127 webpage or from the Library Reserve Collection webpage) includes many data analytic exercises that should help students to prepare for tutorials, class tests and the final examination. Several of the topics covered in the lectures are not covered in the prescribed text. A list of other useful references can be accessed from the DEM127 page on the Demography web site (<http://www.bus.mq.edu.au/dem/127REFER.html>).

Overheads and Note-taking

Copies of a selection of the overheads shown in lectures will be available on the *Reserve Collection* page of the Macquarie University library website (<http://www.lib.mq.edu.au/resources/reserve>). A copy of the *Workbooklet in the Elements of Demography* may also be accessed.

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. Additional materials will be added from time to time. DEM127 students should visit the DEM127 page www.bus.mq.edu.au/dem/127.htm. Of particular importance is the DEM127 Bulletin Board www.bus.mq.edu.au/dem/127bulletin.htm. The Bulletin Board will be used by the Lecturer-in-Charge to relay information about the unit to students. It is expected students will visit this page on a regular basis.

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 short essays on relevant demographic topics.

TEACHING AND LEARNING STRATEGY

The teaching strategy consists of the provision of information in the two weekly lectures on Monday and Tuesday and one specified weekly tutorial (starting week three). Overhead lecture notes for each topic will be provided via the Library e-Reserve page, which could be printed out before the lecture. It is expected that students will attend the two weekly lectures and 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).

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. In addition, the final exam will include a short essay question based on the library research. 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.

In addition students will be required to undertake independent study on one of the topics specified in the **Library Research Assignment**. 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 times and dates 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) on more than one occasion. Spare copies of assignments will be available in the Economics Reference Room (ERIC).

Students will be permitted to use a small battery-operated calculator in tests and exam, provided it does not have a text-returnable capacity. Dictionary is 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. However, a marginal performance in the final examination will normally result in a marginal final grade being given.

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/MQUonly/Issues/Guidelines2003.doc> or
<http://www.mq.edu.au/senate/MQUonly/Issues/detailedguidelines.doc>.

STUDENT SUPPORT SERVICES

Macquarie University provides a range of Academic Student Support Services. Details of these services can 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.

Name and Title: _____

Profession: _____

Provider Number: _____

Signature: _____

Phone number/s: _____

Stamp or seal of Professional Authority
(or attach letterhead)

