UNIT INFORMATION

1. Lecturer and Unit Co-ordinator
   Nazim Khan, Room 209 Mathematics Statistics Building
   Phone: 6488–3378 Email: nazim@maths.uwa.edu.au

2. Class times
   Lectures: Monday 10–11, MLR1; Tues 11–12, MLR1; Thu 11–12, MLR1
   Laboratory Class: Wednesdays 3–5, in the even numbered weeks of the semester.
   This timetable allows for five lectures and one tutorial per fortnight. On average about one class
   per fortnight will be used as a tutorial, though this may not always be on the same day of the week.

3. Unit webpage
   There is a link to this page from the Units page on the School website. All handouts and solutions to Problem Sheets, Short Tests and Laboratory Sheets will be available on the website.

4. Unit Notices
   Unit notices will be available on the unit webpage and will also be emailed to your university email
   account. Please check this email regularly for announcements regarding this unit.

5. Textbook
   New York. You will find it helpful to have ready access to a copy of the the textbook. Two copies
   are on Closed Reserve in the MPSL (call number 658.562 2005 INT). Note that the library also has
   a sixth edition of this book.

6. Assumed knowledge
   The unit 3S5 will build on probability and statistics material from the corresponding pre-requisite
   units. It is assumed that you are familiar with basic probability theory and statistical inference
   that is covered in any First Year Statistics unit.
   This material is covered in
   John Wiley and Sons, New York Chapters 1–11.

7. Lectures
   I will be preparing some lecture slides that I will make available on the website a few days before
   the lecture. The slides will have gaps that you will need to fill in the lecture. Otherwise I will use
   the blackboard. I will also make frequent use of a laptop to illustrate examples and use of computer
   packages.
   While all other handouts, such as problem and laboratory sheets and projects, will be available
   online, I will also provide hard copies of these in lectures.
8. **Tutorials**

Usually questions from the Problem Sheets and other examples will be discussed in the Tutorials. I will try to indicate in advance the material that will be covered in Tutorials so that you may prepare yourselves. You will gain most from Tutorials if you prepare for them by attempting the questions in the Problem Sheets and making notes on the aspects of the Lecture material that you do not understand.

9. **Problem Sheets**

There will be a problem sheet handed out each fortnight (six in total). My solutions to the problem sheets will be available on the unit website after a suitable delay.

10. **Laboratory Classes**

Laboratory classes will be held in the MCL in the even numbered weeks and a laboratory sheet will be handed out in class. You should complete the work in the laboratory class itself, although occasionally you may need to finish some outstanding work later in your own time. A project will be part of the assessment for the unit, and for this you will need to conduct analysis of a given data set, give a presentation to the class and submit a report on your findings.

11. **Computer Packages**

A range of computer packages will be used in the course including Excel, SPSS and R.

12. **Assessment**

There will be three short tests worth 5% each, a project report worth 20%, in class presentation of the project worth 5% and a final examination in November worth 60%. The projects will be organised in groups of two students each (honours students will be allocated individual projects), who will give a joint presentation and submit a group project report. A schedule for the presentations will be worked out with the class.

13. **Plagiarism**

Your attention is drawn to the Faculty of Engineering and Mathematical Sciences policy on plagiarism. The Web address is:

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The penalty for plagiarism may, in the worst case, be exclusion from the university.

Nazim Khan, July 2009