1. This document contains essential information about Calculus C. Please read it carefully.

2. Calculus C is for students who have completed at most TEE Discrete Mathematics (or equivalent). If you have passed TEE Applicable Mathematics (or equivalent), you may not receive credit for Calculus C—consult your unit coordinator immediately.

3. The School of Mathematics Home Page is at http://www.maths.uwa.edu.au/. At this address follow the link - FOR STUDENTS, UNDERGRADUATE. Here you will find items (a) 2009 Information Guide for First Year Students and (b) Policies. This information is very important; please read carefully.

4. ADDITIONAL HELP may be obtained from the Maths Learning Centre (MLC) situated on the ground floor of the Mathematics Building. You should use this facility for minor problems only. For non-minor problems you should see me as soon as possible (see item 16 below).

5. The GENERAL REGULATIONS FOR ACADEMIC COURSES state:

5(1) To complete a course or unit a student must: - Attend prescribed classes, lectures, seminars, tutorials, practicals and clinical practice; Complete the prescribed work of the course or unit at a satisfactory standard; and Pass prescribed examinations

5(2) If a student fails to meet the requirements of paragraphs 5.1(a) and (b) (above) a faculty may exclude the student from further study or from examinations in the area concerned.

PLEASE NOTE that ALL lectures and tests in Calculus C are COMPULSORY.

6. TIMETABLE: In order to allocate you to a test time/group I need to know your non-mathematics Monday morning commitments between 8am and 10am. Please enter this information on your CLASS EXERCISE SHEET ASAP (see item 8 below). Before Monday Week 2 your allocation will be posted on CHECK MARK (see item 7 below). You may not attend a test other than at the time allocated to you.

7. Your test results, class absences and other information will be entered on CHECK MARK which you can access by going to the Maths Home Page (item 3 above) and following the links - UNITS, MATH1050, Check Mark. It is YOUR responsibility to check that ALL information on CHECK MARK is correct.

8. During some lectures students will be given a short exercise. The exercise should be done on the CLASS EXERCISE SHEET. Attempting the exercises and attending compulsory classes are UNIT REQUIREMENTS. You should sign the CLASS EXERCISE SHEET in the appropriate place and hand it in at the end of every class. If you cannot do the class exercise you should copy the question in the space provided. The sheets will be returned before the start of the next lecture. Please PRINT your name in the
space provided. Please do NOT use pencil on your CLASS EXERCISE SHEET.

9. WEEKLY TESTS will be conducted every Monday STARTING WEEK 2 – see ‘UNIT OUTLINE, UNIT OBJECTIVES and TEST PLAN’ at the end of this document. If you miss a test for legitimate reasons I need a letter from your faculty office ASAP. Please read the following regulation carefully:

Applications for consideration, deferral of tests or exams or extensions of time for assignments on medical, personal or other grounds must be lodged with your faculty office no later than three working days after the due date for the assessment in question. This rule will apply to all students, except in exceptional circumstances ('exceptional' does mean 'exceptional', not 'just didn't have time to get around to it').

At the tests you may NOT use calculators that do not have an ‘approved’ sticker (see item 3 above). During SOME tests NO calculators will be permitted.

In order to sit the test you must show your ID CARD. I strongly recommend that you make several photocopies of your student ID card ASAP. If you lose your ID card you will be permitted to sit the test provided you sign one of the photocopies in front of the test supervisor and hand it in; alternatively you may produce some other official form of identification that has your photograph.

To prepare you for the weekly tests you should do the homework questions given at the end of each topic.

IF YOU HAVE DIFFICULTIES with any question please place your name, the unit name (Calculus C) and the question reference in my ASSIGNMENT box (see item13).

Creating and maintaining a homework folder is a unit requirement.

10. WEEKLY PROGRAM:
Monday: Test period.
Tuesday, Wednesday, Thursday and Friday: Lecture

11. ABSENCE: Your weekly absences from lectures will be recorded on CHECK MARK.

12. ASSESSMENT:
There will be two examinations. The first examination will be held on Saturday 4 April and will cover the Pre-Calculus component of the unit. The second examination will be held at the end of semester and will cover the entire unit.

To pass the unit you must pass both components, in which case your grade will be made up as follows
Part One: Tests Weeks 2 to 6……….40%
Exam Week 6.........................60%
TOTAL Component One .................100%
Part Two: Tests Weeks 7 to 12……….40%
Final Exam.............................60%
TOTAL Component Two..................100%
The final grade will be the average of the two components.

Supplementary examinations will be allowed to students within one unit of completion, provided the mark is between 45% and 49% inclusive and provided the student is currently enrolled in the unit.

13. ASSIGNMENT BOXES: These are located in the entrance of the Mathematics Computing Laboratory. If you have comments, concerns, suggestions etc. that you prefer not to discuss with me, you may use the assignment box to deliver your message in writing. Please state you name to enable me to reply. You should also place in the assignment box questions you would like me to discuss during class (see
item 9 above).

14. HOW TO SUCCEED IN CALCULUS C:

Read your lecture notes and highlight anything you do not understand; then see me to discuss your difficulties.

Summarise your notes and read your summaries regularly; this will help you memorise them.

Do the exercises set for homework.

Attend all classes, especially those in which your work is discussed.

If you do not obtain full marks on a test identify your mistakes; this is a VERY valuable learning exercise. If you cannot identify your mistakes please see me.

15. BEWARE: UNLABELLED MATERIAL WILL BE DESTROYED!

16. UNIT COORDINATOR:

Wally Andrioni
Office: Maths 2.30
Telephone 6488 3359
Email: wandrion@maths.uwa.edu.au

If you wish to see me please do the following:
If you are on campus see me before or after the lecture and arrange a time.
If you are off campus (sick?) e-mail me a telephone number where I can contact you.

BEST WISHES

Wally

UNIT OUTLINE, UNIT OBJECTIVES and TEST PLAN

1. UNIT OUTLINE: The HARD COPY of all material contained in the syllabus consists of the sections of the textbook listed below plus material handed out in class or available at UNIPRINT. Textbook: Lial, M.L Hungerford, T.W. "Mathematics with Applications in the Management, Natural and Social Sciences", edition 7, 8 or 9 Sydney, Addison-Wesley. There is also a shorter version of edition 9 that is cheaper and suitable for this unit.

Edition 7

CHAPTER 1: SECTIONS 1.1 – 1.6
CHAPTER 2: SECTIONS 2.1, 2.2 AND 2.4
CHAPTER 3: SECTIONS 3.1 – 3.3
CHAPTER 4: SECTIONS 4.1 – 4.4
CHAPTER 5: SECTIONS 5.1 - 5.4
CHAPTER 12: SECTIONS 12.1-12.7
CHAPTER 13: SECTIONS 13.1-13.4

Edition 8 and 9

CHAPTER 1: SECTIONS 1.1 – 1.7
CHAPTER 2: SECTIONS 2.1 AND 2.2
CHAPTER 3: SECTIONS 3.1 – 3.7
CHAPTER 4: SECTIONS 4.1 - 4.4
CHAPTER 11: SECTIONS 11.1-11.7 (11.1 – 11.8 for edition 9)
CHAPTER 12: SECTIONS 12.1-12.4
Material at UNIPRINT covers the following topics: Fractions, Polynomials (including Factor Theorem and Long Division), Integration.

2. UNIT OBJECTIVES:

Correct use of Mathematics as a language is essential.

Students need to acquire the skills (e.g. factorising), understand the concepts (e.g. limit) and know the facts (e.g. limit laws) contained in the HARD COPY above.

Students need to be able to use these skills, concepts and facts to solve problems.

The nature and level of difficulty of the problems the student should be able to solve is reflected in the exercises found at the end of the textbook sections listed in the UNIT OUTLINE and in the exercise handouts given in class.

The nature and level of difficulty of the problems the student will be required to solve in the final examination is reflected in the questions asked in the weekly tests.

The grading of tests used in the test component of the assessment will reflect the unit objectives, in particular:

Correct use of Mathematics as a language: Correct answers combined with poor presentation will not receive full marks.

Understanding: The assessment criteria are designed to discourage guessing.

Accuracy: Students will be given a lot of time to complete tests; this means that NO marks will be given for incorrect answers.

The grading of the examinations will follow traditional practice (e.g. follow through marks).

3. TEST PLAN:

There will be one or more tests (covering different topics) during each test period. The tests will be based on any material covered up to and including the Wednesday of the previous week. For the first part of the semester (weeks 2 to 6), if a test is of adequate standard it will be marked out of ten; otherwise it will be marked R and the student will be able to sit an equivalent test on Saturday Week 6. At a ‘resit’ the maximum mark will be six out of ten.

A student who misses a test for legitimate reasons should do the ‘resit’ on Saturday Week 6, in which case the test will be marked out of ten and no further ‘resits’ will be available.

Note that a test will not be considered to be of adequate standard if it contains some very serious errors.

For the second part of the semester all tests will be marked out of ten and there will be no ‘resits’.

A student who misses a test for legitimate reasons will be able to sit an equivalent test in week 13.

In order to assess students on material covered in the last part of the unit there will be an assignment to be handed in by 2pm Friday Week 12.

IMPORTANT

1. If a test has been assessed incorrectly you should place it in my assignment box ASAP and write on top of the page: Please remark question …

2. If a test score has been entered incorrectly on CHECK MARK you should place the test in my assignment box ASAP and write on top of the page: Please re-enter the score.