

MATH 1B - 61

Fall 2008 Monday and Wednesday

CALCULUS 1B

6:00 p,m, – 8:10 p,m.

in G5

Instructor: Frank Jones Office: Monday and Wednesday 3:00 - 3:0 p.m. in S43
 Email jonesfrank@fhda.edu

Prerequisites: See the De Anza's current Schedule of Classes

Text: Calculus (third edition) Robert T. Smith and Roland B. Minton

Scope: All those sections of the above text listed in the 'read' and 'study' columns on the schedule attached

Attendance: Good grades require **regular** and **punctual** attendance. Students who miss an average of one class per week or in three in total at any time (whichever is less) may be dropped. Significantly late arrival or early departure may be counted as one third of an absence.

Students are responsible for their signature on both attendance sheets circulated each day, one at the beginning of class and one just before the end.

Difficulties which could cause attendance problems should, at the student's initiative, be discussed with the instructor as early as possible.

A class may not be dropped after the last date for a **W** (see below). Even in the event of absence from class, tests or final a letter grade (most likely an **F**) will be given. In all cases including non-attendance it is the student's responsibility to get drop forms processed. **Failure to do so will usually result in an F. Failure to take the final will also result in an F. Cheating is a serious matter and may result in an F or even more severe actions with long term consequences.** Students will be expected to refrain from **any** behavior which in the instructor's judgment disrupts the class.

Homework: Homework is intended to be a learning rather than a testing activity. Students should read all the pertinent sections in the text book and work their way through an adequate number of questions in the exercises at the end of each section covered and also the relevant exercise problems at the end of the applicable chapters. These should be worked on firstly soon after the topic is covered in class and students also should return and repeat earlier exercises at later dates for review and solidification. These problems will in general not be collected but failure to do them almost certainly will detract from the grade. Students should also broaden their experiences by searching for and reading from other texts etc. Libraries and the internet are amongst possible sources.

Quizzes: Short quizzes will test how well important facts have been learned and remembered. Missed quizzes will score zero. The two lowest scores will be dropped. The remainder will be averaged and scaled.

Examinations: Four examinations during the quarter will be biased towards the most recently studied topics but also may test any subjects previously covered or related to prerequisites for the course. The scores from these examinations will be averaged and scaled. Students should notify the instructor before hand if a test is expected to be unavoidably missed and should contact the instructor BEFORE the beginning of the next class attended if this above mentioned prior notification is not possible

Calculator Use Students will not be permitted to use the TI 89 calculator during exams or tests.

Grade: Quizzes will comprise 15% of the grade. The four examinations will comprise 50% of the grade. The Final Examination will comprise 35% of the grade. Plus and minus grades will **not** be given in this course.

A = 90% or higher B = 80% - 89.999% C = 65% - 79.999% D = 50% - 64.999% F = Less than 50%

There will be no make up examinations or quizzes. Failure to take the Final Examination will result in an **F**.

Dates: Last date to drop with no record **October 10th.**

Last date to File P/NP **October 17th.**

Last date to drop with a "W" **November 14th.**

Final Examination in G5 at 6:15 p.m. – 8:15 p.m. December 10th.

HOMEWORK and STUDY

A minimum of 10 hours per week of homework, preferably on a regular daily basis rather than in a couple of marathon sessions, is necessary in order to adequately learn the material and to get a good grade.

Study the 'Master Schedule' provided. It lists every day in the quarter and numbers the weeks and active days of the quarter. There are three columns containing chapter numbers and sections.

The first of these three columns indicates the date on which the listed sections are expected to be explained in class.

The second of these columns suggests what you primarily should be reading and studying on a given day.

The third of these columns suggests what you should be reading ahead on a given day.

It is suggested that you at least very briefly read the sections to be taught on a given day **before** it is covered in class. Then, after it has been covered in class, you should reread the section in more detail and study it. At this time you should work through the questions at the end of each **section** to convince yourself you understand the subject matter.

It is essential that students do the homework described on the previous page and it essential that students go back from time to time and redo this work. This repetition plays a very large part in helping to get things into memory. You will be expected to remember much of what you have studied PERMANENTLY and not just for the next quiz or test.

Be honest with yourself in your assessment of yourself as you work through the course work.

Try to develop the ability to accurately assess whether or not you have truly learned something. A lot of problems arise from students believing that they have learned and understood something when they really have not.

If when reading, rereading, or hearing someone say something, you think to yourself (or say) "I knew that" or "I know that" then you most probably do **not** "know" it. You probably only recognized it.

Learn to distinguish between **knowing** and **recognizing**. A good test is to ask the question "Could I clearly describe and explain it to someone else?" Remember the maxim "If you can't explain it you don't understand it"

Students are encouraged to meet and study in small groups. Final presentations of any work to be handed in, however, should be done individually and any work done communally should also be repeated privately later.

DO NOT GET BEHIND. Do not procrastinate and tell yourself that you will make up tomorrow (or next week) what should be done today (or this week).

MATHEMATICS IS A CUMULATIVE SUBJECT. IF YOU DO NOT LEARN WHAT YOU SHOULD THIS WEEK, YOU WILL NOT HAVE THE TOOLS TO UNDERSTAND WHAT IS TO BE TAUGHT NEXT WEEK. You will get hopelessly out of your depth very quickly and will **not be able** to catch up.

The above comments are intended to be helpful advice. They are not necessarily the only, or even a set of sufficient, ways to be successful. Each individual is different. In the writer's opinion, however, they do highlight some of the major (rarely admitted) reasons why some students do not succeed as well as they would like.