

MATH 122 (Section 2) – Calculus for Business Administration and Social Sciences

Instructor	Professor Doug Meade
Office	LeConte College 300E
Phone	777-6183
E-mail	meade@math.sc.edu
WWW URL	http://www.math.sc.edu/~meade/math122-F99/
Office Hours	MTuW 10:00–11:00 and by <i>prior</i> appointment
Meeting Times	MWF 9:05AM– 9:55AM, LC 412
Text	<i>Applied Calculus</i> , by Hughes-Hallet, Gleason, <i>et al.</i> , John Wiley & Sons, 1999.
Prerequisite	Qualification through placement, or a grade of C or better in MATH 111 or 115.
Overview	<p>One of the main objectives of this course is for you to understand the basic concepts of calculus well enough to know when, how, and why to apply them in real-world situations. You will also be expected to learn to interpret and communicate the results. Attaining this goal requires practice in a variety of numerical, graphical, and analytic methods. In particular, being proficient only with the mechanical manipulations is not sufficient for the successful completion of this course.</p> <p>You will also be expected to develop and practice your verbal and written communication skills. You will be required to work in groups during class and will have ample opportunities to practice these skills. It is hoped that you will also find a group to work with outside of class.</p> <p>The preface of the book (particularly page <i>xii</i>) is particularly well-written. (Pages <i>vii</i> – <i>x</i> provide additional detail and insight into the methods you will encounter in this course.) Read the preface!</p>
Use of Technology	This course will make regular use of a graphing calculator. The TI-83 is the preferred calculator. A TI-82 is similar enough that it should be sufficient for our needs. (If you choose to use a different calculator, you are expected to know how to use it.) One of the objectives of this course is for you to become proficient in the appropriate use of your calculator. This includes recognizing when the calculator should be used and when hand manipulations are more efficient.
Course Content	In this course we will be discussing most of the material from the first six chapters of the text. This will bring you into contact with the standard topics of calculus. That is, we will be looking at the way quantities change (differentiation) and accumulate (integration). We will also see several ways in which these concepts arise in other academic disciplines and everyday life.
Study Hints	<p>Before each class, you should both review the material from recent sections and read the section to be discussed that day. This will allow you to both understand my presentation of new material and identify questions that you need to resolve within your in-class group time.</p> <p>One of the Math Lab can be a good place to do your homework. The Math Lab tutors will be able to help if you need it. If additional help is needed, please do not hesitate to contact me. Whatever you do, do not fall behind in the course!</p>

Grading

Your grade in this course will be based on your performance on quizzes, three (3) mid-term exams, and a final exam. The weights assigned to each of these components will be:

Quizzes	15%
Mid-term exams (3)	60%
Final exam	25%

Course grades will be determined according to the following scale:

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	0 – 59

The deadline to drop this course with a grade of W is Thursday, September 30, 1999.

Exams

There will be three (3) exams during the semester. *Tentative* dates and topics for these exams are:

Wednesday, September 22	Chapters 1
Wednesday, October 20	Chapters 2 and 3
Monday, November 22	Chapters 4 and 5

There will be no make-up exams. If you miss one exam due to a documented reason of illness, family emergency or participation in a University sponsored event, your score on the final exam will be used to replace the missing exam score. Excuses such as oversleeping, forgetting the time or location of the exam, and lack of studying are explicitly noted as unacceptable grounds for missing an exam.

A comprehensive final will be given at 9:00A.M. on Wednesday, December 8, 1998.

Quizzes

On average, there will be one quiz each week. Quiz questions will be based on the homework problems. Each quiz will be graded on a five (5) point scale. Your quiz grade will be based on the sum of your nine (9) highest quiz scores. **There are no makeup quizzes.**

Homework

A minimum set of homework problems will be announced for each section as it is discussed in class. Some of these problems will be discussed in the following class meeting, but no homework will be collected. *You are responsible for working and understanding all of the assigned problems.*

Attendance

Regular class attendance is important. Consistent with the USC Undergraduate Bulletin, a grade penalty may be applied to any student missing more than three classes (10%) during the semester.

Academic Honesty

Cheating and plagiarism will not be tolerated in this course. You will be working in groups in class and are encouraged to discuss homework problems with others. You will have to take all quizzes and exams on your own. Violations of this policy will be dealt with in a manner consistent with University guidelines.