Syllabus
Math 206H – Fall 2010
Section 001

Instructor: Jim Brown

Office: Martin O-324

Phone: 864-656-2331

Email: jimlb@clemson.edu

Class Meeting:
  MWF: 12:20 - 1:10 pm   Martin E-004
  Th   12:30 - 1:20 pm   Martin M105

Office Hours:
  M: 2:00 - 3:00 pm
  W: 9:00 am - 10:00 am
        (and by appt.)

Textbook: *Multivariable Calculus, 6th Edition* by James Stewart. This text-book is required, though it may be possible to get by with an older edition. You may try that at your own risk! Please be advised you will need to purchase the software to access WebAssign that is bundled with the textbook in the bookstore if you choose not to purchase the current edition.

Material: We will cover Chapters 13 - 17.

Attendance: Attendance for this class will not be taken. Of course, if you do not come to class on a regular basis, you should not expect that I'll spend significant time outside of class trying to catch you up on what you missed (assuming the absences are not accompanied with a legitimate documented excuse.) If you are coming to class, you are expected to be there when class begins, not a few minutes late. If you have a good reason for being late, let me know. Otherwise, if you are late, don't come. It is distracting for other students to have someone walk in once class has begun. I reserve the right to have surprise quizzes at the beginning of class if tardiness becomes

a problem. This will become part of your homework grade. Since attendance is not required, you are of course not required to wait any set period of time before you leave if for some reason I am late. If I am more then 10 minutes late, you can reasonably assume something has happened and I will not be there. You should check your e-mail in the morning before class so that if something does come up you are aware before you hike over to class.

Cell Phones: Cell phones are to be turned OFF during class and exams. If you have an emergency and are waiting for a call, please let me know beforehand and it will be ok to have it on vibrate. Remind each other to turn off your cell phones before class because if this becomes a problem I reserve the right to have quizzes on the spot (points to be figured into the homework grade.)

Calculators/Laptops: There is not a required calculator for the course. In reality, you will not be using a calculator in your job when you finish your degree, so it is a waste of time to learn how to use a calculator at this point. We will be using Maple for our calculations, which you can get on your laptop for free via CCIT. Some of the Maple commands I will give you, some you will be required to figure out on your own via online help. You are free to bring your laptop to class with you, but I will try to warn you ahead of time if it will be necessary. Clearly if you have your laptop out it is to be used for math, not chatting or reading the news. If you want to do either of those, you are free to do them from the comfort of your dorm room.

Grading: Your final grade will be calculated in two ways. I will assign everyone a grade with each method. I will then give you the higher of the two letter grades. For example, if you get a B with the first method and a C with the second, your final grade will be a B.

Method one grades are based on the following:

WebAssign Homework:	10 %
Written Homework:	20 %
Midterm Exam 1:	15 %
Midterm Exam 2:	15 %
Final Exam (cumulative):	40 %

Method 2 is that your final exam will replace any of the midterms that had a

lower score. For example, if you score an 83 on Midterm 1, a 65 on Midterm 2, and a 81 on the Final Exam, your scores will be 83, 81, 81.

The grading scale will be no worse then the following:

$\geq 90\%$ A
$\geq 80\%$ B
$\geq 70\%$ C
$\geq 60\%$ D

Exams:

Midterm 1:	10/06/10	In class and 7-9 pm in Martin M-102
Midterm 2:	11/17/10	In class and 7-9 pm in Martin M-102
Final:	12/06/10	8:00 - 10:30 am

The midterm exams will have two components. The in-class component will be designed to be completed on your laptop using Maple. The exam will in the form of a Maple worksheet that you will work through, save, and e-mail to me. The evening component of the exam will be written and no calculators or laptops will be allowed for this portion. The evening exams will take place from 7 - 9 pm in a location to be announced. The exams will reflect the homework problems, but you will never see a problem on an exam that is identical to one graded for homework.

The final exam is cumulative.

Make-up exams will not be given, regardless of the validity of the excuse for missing the exam. If you miss an exam, the weight of the final exam will be adjusted to incorporate that exam as well. For example, if you miss Midterm 1 then the final exam will be 55% of your final grade. It is best not to miss midterms if at all possible!

WebAssign Homework: This homework is done online and will consist of more routine problems. You should have received a cd and login information bundled with your textbook. The website to login is

$$\text{http://www.webassign.net/login.html.}$$

The information for our class is "clemson 2297 4755". I will set this so that you can have multiple tries and get hints on the problems. The goal here is to give you credit for doing the problems and learning the basics. As such, everyone who puts in the effort should get all of the points here. I will post

these problems online for each section as we finish that section. You will have one week to complete the problems. WebAssign will be set to not accept your homework after midnight one week from the date assigned. It is in your best interest to do these problems as we finish the sections and not put them off.

Written Homework: Once a week I will hand out a few problems that are more difficult. These will include story problems, as well as other problems that require you to understand the material at a level deeper than just memorizing formulas and applying them. You are strongly encouraged to work on these problems in teams, though you are required to each write up your own answers. If you work with others, you are required to indicate on your assignment each person you worked with. (This is a matter of academic honesty.) You will have one week to turn these problems in once they are handed out. They must be in my hand by by the START of class one week from the date handed out or I will not accept them.

Goals: It is the goal of this course for you to learn the material contained in the textbook. At the end of this course you should expect to be able to do any of the routine calculations in this book, but also understand the concepts behind these calculations as well as be able to turn story problems into equations you can work with.

Academic Integrity: Please see the Undergraduate Announcements for Clemson's policy on academic integrity. In addition, it is considered cheating to turn in work that has been turned in for credit in another course by you or someone else. For instance, finding someone that already has the solutions to homework problems and turning those into this class is considered cheating.