Матн 141 (Se	ction 1 & 2) – Calculus I	
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Instructor	Professor Doug Office Hours:	Meade MW 10:00 – 11:00, Th	12:30 - 2:00 and by <i>prior</i> appointment	
	Office:	LeConte College 300E		
	Phone:	777-6183		
	E-mail:	meade@math.sc.edu		
Lab Coordinator	Jay Dew			
	Office Hours:	normal business hours	except when in class	
	Office:	LeConte College 415		
	Phone: E mail:	(((-5413)		
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Graduate Assista	Office Hours:	MW 11:00 – 12:00. Tu	2:00 - 3:30	
	Office:	LeConte College 122B	2.00 0.00	
	Phone:	777-3021		
	E-mail:	waltman@sc.edu		
WWW URL	http://www.ma	th.sc.edu/meade/mat]	n141-F02/	
Meeting Times	Lecture M	IWF 9:05am- 9:55am,	GAMB 152	
	Lab ($\S{001}$) T	и 8:00ам– 8:50ам,	LC 303A	
	Lab ($\S{002}$) T	и 9:30ам– 10:20ам,	LC 303A	
Text	Dale Varberg, Edwin J. Purcell, and Steven E. Rigdon, <i>Calculus</i> , Eighth Edition, Prentice Hall, 2000.			
Prerequisite	Qualification th	rough placement or a g	rade of C or better in MATH 112 or 115.	
Overview	This is the first course in the traditional calculus sequence. While the general topics are traditional, the presentation and your experience in this course will not be traditional. While learning calculus does involve a certain amount of formulae and methods, and techniques, it is much more important that you obtain a fundamental understanding of the concepts. These concepts are <i>limits</i> , <i>differentiation</i> , and <i>integration</i> . To help develop the understanding of these concepts you will be expected to complete weekly computer-based lab projects.			
Course Content	This course will already be composed and already be composed and alleady be composed and all all all all all all all all all al	l cover most of the top fortable with the mater	bics in Chapters 2–6 in the text. You should ial in Chapter 1: inequalities, absolute values,	
	 roots, lines, and graphs. The key topics to be discussed are summarized below. Chapter 2: Functions and Limits functions and their graphs limits and their properties 			
	 continuity of functions Chapter 3: The Derivative definition and properties of the derivative 			
	• the C	• the Chain Rule • implicit differentiation		
	 Implicit differentiation related rates and differentials 			
	Chapter 4: Applications of the Derivative			
• optimization, limits, graphing			lg	
	 Mean Value Theorem Chapter 5: The Integral antiderivatives and Riemann sums 			
	• Fundamental Theorem of Calculus Chapter 6: Applications of the Integral			
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Grading	Your grade in this course will be based on your performance on quizzes, we computer-based projects, three (3) mid-term exams, and a final exam. The wei assigned to each of these components will be:		
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	Course grades will be determined according to the following scale:		
	$\rm A 90\ -100$		
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	$\begin{array}{ccc} D & 70 - 79 \\ D & 60 - 69 \end{array}$		
	${ m F}=059$		
	Note that the deadline to drop this course with a grade of W is <u>Thursday</u> , October 3, 2002.		
Exams	There will be three (3) exams during the semester. <i>Tentative</i> dates and topics for these exams are:		
	Friday, September 20Chapters 2 and 3Friday, October 18Chapters 3 and 4Friday, November 22Chapters 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 9:00AM on Wednesday, December 11, 2002.		
Homework	Homework problems will be posted for each section that we discuss. The assigned problems will not be collected. You will have an opportunity to ask questions during class on Monday, Wednesday, and Friday. Solutions to the assigned problems will be made available electronically and/or in the Mathematics Library in LeConte.		
Quizzes	Approximately twenty (20) quizzes will be given during the semester. Each quiz will be given during the first five (5) minutes of a lecture and are worth a maximum of ten (10) points. The quiz questions will be directly related to the homework problems. Quizzes will be graded and returned as soon as possible. Your quiz score will be computed after the four (4) lowest scores are dropped. <i>There will be no makeup quizzes</i> .		
Projects	Weekly computer projects will be available every Tuesday. The projects will be selected to complement the lectures with a particular emphasis on realistic applications of calculus. You will have time to work on the projects in class on Tuesday but you should not be surprised if you do not finish the project in class. All projects must be sent to the Blackboard dropbox. Projects are generally due midnight Thursday. Your overall project grade will be computed after dropping your lowest two (2) project grades. No late projects will be accepted for a grade.		
Study Hints	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 about earlier material.		
Attendance	Regular class attendance is important. Consistent with the USC Undergraduate Bulletin, a grade penalty may be applied to any student missing more than four classes (10%) during the semester.		
Academic Hones	sty Cheating and plagiarism will not be tolerated in this course. You are encouraged to discuss homework problems with others. Violations of this policy will be dealt with in a manner consistent with University guidelines.		