	Math 141 (§§005 & 006) – Calculus I
Instructor	Professor Doug Meade Office Hours: MWF 9:30–10:30, and by prior appointment Office: LeConte College 300E Phone: 777-6183 E-mail: meade@math.sc.edu
Graduate Assistan	at James Sweeney Office Hours:MWF 1:00 - 2:30 and T R 11:00 - 1:00Office:LeConte College 122AE-mail:jsweeney@email.sc.edu
Supplemental Inst	ructor Jocelyn Mackay Sessions: Su 6:00-7:00, T 9:00 - 10:00, and R 8:00 - 9:00 Location: Gambrell 151 E-mail: mackayj@email.sc.edu
WWW URL	http://www.math.sc.edu/~meade/math141-F13/
Meeting Times	$\begin{array}{llllllllllllllllllllllllllllllllllll$
Text	Stewart, Calculus, Early Transcendentals, Sixth Edition, Cengage Learning, 2008.
Prerequisite	Placement score of 17-33 on Precalculus version of the Mathematics Placement Test or a grade of C or better in MATH 112, 115, or 116.
Overview	This is the first course in the traditional three-semester calculus sequence. Learning calculus involves a certain amount of formulae, methods, and techniques. It is equally important that you obtain a fundamental understanding of three key concepts: <i>limits, differentiation</i> , and <i>integration</i> . The lectures, recitations, and lab sessions are designed to help develop your understanding of these concepts. You should also be working to become an independent learner. You should not expect that every detail and nuance will be covered in the lectures, or recitations. The lectures are designed to introduce ideas and to provide you with a foundation from which to develop a more complete understanding (typically by completing the assigned homework exercises. You should work additional exercises, particularly on topics that you find difficult.
Course Content	This course will cover most of the topics in Chapters 1–5 in the text. Specific topics to be covered include:
	 Chapter 1: Functions and Models Introduction to Calculus Catalog of Essential Functions Chapter 2: Limits and Derivatives Tangent and Velocity Problems Limit of a Function Continuity Derivatives, and Rates of Change Chapter 3: Derivative Rules Product, Quotient and Chain Rules Implicit Differentiation Related Rates Chapter 4: Applications of Differentiation Optimization and Curve Sketching Mean Value Theorem Indeterminate Forms, l'Hôpital's Rule Antiderivatives

Grading	Your grade in this course will be based on your performance on homework, four (4) mid-term exams, the computer lab, and a final exam. The weights assigned to each of these components will be:	
	Homework 10% Quizzes 10% Mid-term exams (3) 45% Computer Lab 15% Final exam 20%	
	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 Friday. October 11, 2013	
Exams	The lowest of your four (4) mid-semester exam scores will not be used in determining your overall grade. <i>Tentative</i> dates and material for these exams are:	
	Friday September 13 Chapters 1 and 2	
	Monday, September 30 Chapter 3	
	Monday, October 21 Chapter 4	
	Monday, November 25 Chapter 5	
	Make-up exams will be given only for documented reasons of illness, family emergency or	
	participation in a University sponsored event. Excuses such as oversleeping, forgetting the	
	time or location of the exam, and lack of studying are explicitly noted as unacceptable grounds	
	for the administration of a make-up exam.	
	A comprehensive final will be given at $\underline{9:00A.M.}$ on Wednesday, December 11, 2013.	
Homework	Homework will be assigned, and graded, through WebAssign (http://www.webassign.net/). The class keys for WebAssign are	
	\$005 sc 4998 1812 $$006$ sc 3462 6480	
	You are responsible for completing all assigned work on time. It is a good idea to print copies	
	of your work. Please report any difficulties that you have with this system as soon as possible.	
	Some, but not all, of the assigned problems may be discussed in class or recitation.	
Quizzes	There will be a quiz in most recitations (on Thursdays). Each quiz will consist of one or two	
	problems similar in nature to the homework problems. Your quiz grade will be computed by	
Commenter Taba	your ten (10) nignest quiz scores. No make-up quizzes will be permitted.	
Computer Labs	in the use of Maple, a computer algebra system, will be provided. Mapy of the labs involve	
	visualization including animations of applications of limits derivatives and integrals. If you	
	want to use the computers in LC 303A and the door is locked, the combination is 4351. The	
	lab homepage is http://www.math.sc.edu/calclab/141L-F13/.	
Study Hints	Reading each section in advance of the lecture is strongly encouraged. Benefits of this prepa-	
Ū	ration include obtaining a familiarity with the terminology and concepts to be encountered (so	
	you can distinguish major points from side issues), being able to formulate questions about	
	the parts of the presentation that you do not understand, and having a chance to review the	
	skills and techniques that will be needed to apply the new concepts.	
	Take advantage of the Supplemental Instruction. Many students find this exactly what they	
	need to succeed — or to do better — in this course. Experience shows that improvements	
	The Maplets for Calculus (http://m/c math $sc du/)$ are a collection of applets designed	
	to help you learn and practice specific calculus skills. You will need to use your USC Network	
	username and password to gain access to this site.	
	For additional assistance, do not forget about the Math Tutoring Center. The Math Lab	
	provides free assistance for all 100-level mathematics courses. The main location is LC 103,	
	with tutors also available in the ACE locations in Bates House, Columbia Hall, and Sims. For	
	updated hours and locations, visit the Math Lab homepage at http://www.math.sc.edu/	
	mathlab.html. Also utilize the office hours of your TA, and your professor — we are all here	
	to help you succeed in this course.	
	r lease discuss with me any dimculties that you are having with the course. Early resolution of weaknesses is the best way to prevent them from becoming major deficiencies that effect	
	vour performance in the course	
Attendance	Attendance at every class meeting is important – and expected Students missing more than	
	10% of the class meetings (4 days) can have their grade lowered.	
Academic Honesty Cheating and plagiarism will not be tolerated. You may discuss homework problems with		
Ū	others, but do not copy work from another student or from a book. Violations of this policy	
	will be dealt with according to University guidelines.	