Math 141-002 Calculus 1
Summer Session E 2016

Instructor Alicia Lamarche   **Lab Instructor** Spencer Saunders
Office LeConte 317N   **Office** LeConte 400A
Mail alicial@math.sc.edu   **Mail** svs1@math.sc.edu
Office Hours MWF 1:30-2:30pm   **Office Hours** T 4:30-6pm
            and by appointment   R 11-12:30pm

Course Information

Course Website   http://people.math.sc.edu/alicial/teaching/141-SE16/

Meeting Times

Lecture	MTWRF	LeConte 115	8:30am - 10:30am
	MWF	LeConte 412	2:50pm - 4:05pm
Maple Lab	TR	LeConte 303A	2:50pm - 4:20pm

Prerequisites   Qualification through the Math Placement Test, or through a grade of C or better in MATH 115.

Course Text
Thomas' Calculus: Early Transcendentals (13th edition), by George B. Thomas, Jr.

Learning Outcomes   Upon successful completion of the course, students should be able to:

1. Demonstrate understanding of the following concepts: Limits and Continuity of Functions, The Derivative, Applications of the Derivative: Study of Graphs, Minima-Maxima, Mean Value Theorem, The Integral, The Fundamental Theorem of Calculus

2. Compute derivatives and basic integrals

3. Apply these concepts to modeling real life problems at the usual level of first semester calculus

Coursework

Homework   Homework is assigned each class, unless otherwise indicated. Tentative assignments can be found on the course website. Homework will *not* be graded, but it is in your best interest to correctly complete as many assigned problems as possible. The homework problems are intended to help you understand course material, as well as to prepare you for exams, and are thus vital to your success in this course.

Quizzes   Two short quizzes will be given each week. Quizzes will, in general, be based off of the suggested homework problems, and will give you exposure to the types of questions that will appear on exams.

Maple Lab   The biweekly lab meetings are conducted with two goals: to enhance your Calculus experience with hands-on activities and "real-world" application and to introduce you to the basics of modern computer software (Maple).
All of the lab materials (including the activities done in the lab) can be found at
$$\text{http://people.math.sc.edu/calclab/141L-S16/labs/}$$
Maple is available on every computer in LeConte as well as some computers in the Library. Computer labs are located in LC 102, 124, 303A, and 401. These computer labs are open M-F from 8:30am to 4:45pm. After-hours/weekend access to LC 303A is available (ask your Lab Instructor for details).
After each lab meeting, there will be an assignment **due promptly by the beginning of the next Maple Lab!** Late work will not be accepted; please turn in a hard copy of your work before the start of the lab. These assignments will account for 85% of your *Maple Lab* grade. There will also be a Maple quiz every Tuesday (except the first day of lab). This quiz will cover material from the previous week and will account for the other 15% of your *Maple Lab* grade. Be advised: You will not be able to make up these quizzes if you do not attend lab that Tuesday.

Midterm Exams   Three exams will be given, with the following tentative dates and topics:

Friday, June 3	Sections 1.1-1.6, 2.1-2.6, 3.1,3.2
Monday, June 13	Sections 3.2-3.10, 4.1-4.5
Monday, June 20	Sections 4.6, 4.8, 5.1-5.6, 6.1

Each exam will be one hour and fifteen minutes long. Calculators are not permitted.

Final Exam   There will be a cumulative final exam given on **Friday June 24, 2016**.

Late Policy   Late work will not be accepted, and in general no make-up exams will be given. Exceptions may be made in the case of a documented illness or emergency, and in this case I request that you contact me immediately for arrangements.

Additional Help   Outside of scheduled office hours, I recommend the following resources for additional help.

- The Math Tutoring Center (LeConte 105) offers free tutoring to students, no appointment is necessary: `http://www.math.sc.edu/math-tutoring-center`

- The Student Success Center: `http://www.sc.edu/success`

- Paul's Online Math Notes: `http://tutorial.math.lamar.edu`

Grades

Your grade will be calculated according to the following percentages:

Midterm Exams	3 @ 20% each	60%
Final		25%
Quizzes		10%
Lab		5%
Total		100%

Grades will be assigned based on the following scale:

A	B+	B	C+	C	D+	D	F
>90%	86-89%	80-85%	76-79%	70-75%	66-69%	60-65%	< 60%

Expectations

Attendance   Students are expected to attend every lecture, lab, and recitation, arriving on time and staying for the duration of the class. Attendance will be recorded during every class. Absences may be excused with proper documentation of illness or emergency, and it is the responsibility of the student to provide such documentation in a timely manner. Students are responsible for any missed classes.

In accordance with university policy, a letter grade may be deducted for students who miss 10% or more of classes. In borderline cases, your attendance may be taken into account when calculating grades.

Students with Disabilities   Students with disabilities must register with the Office of Student Disability Services before accommodations can be made.

Academic Integrity   Students are expected to act in accordance with the *University of South Carolina Honor Code*:

<div align="center">https://www.sa.sc.edu/academicintegrity/</div>

Any form of cheating will not be tolerated in this course. Violations of the honor code will be dealt with in a matter consistent with University regulations.

Electronics / Cellphones   To avoid disrupting other students, please silence all electronics, including cellphones, during class.