Math 141-201 Calculus 1
Summer 2017

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and by appointment

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Course Information

Course Website http://people.math.sc.edu/alicial/teaching/141-Su17/

Meeting Times

Lecture	MTWR	LeConte 121	10:15am - 11:40am
Recitation & Lab	MTWR	LeConte 102	12:30pm - 1:25pm

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

Course Text
Thomas' Calculus: Early Transcendentals (13^{th} *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. *Note that*

exams are given under the assumption that you have completed and thoroughly understand a majority of the suggested homework problems.

Quizzes Approximately two short quizzes will be given each week; tentative quiz dates are listed on the course schedule. 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.

Recitation & Maple Lab Recitation and Lab sessions are held Monday thru Thursday at 12:30pm in LeConte 102. These meetings are conducted with two goals in mind: to enhance your Calculus experience with hands-on activities and "real-world" applications, and to introduce you to the basics of modern computer software (Maple). This is an excellent time to ask any questions that you might have about suggested homework problems, topics discussed in class, etc.
Any lab materials that you might need can be found at

`http://people.math.sc.edu/calclab/141L-s17/`

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 also available.

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

Wednesday, July 5	Sections 1.1-1.6, 2.1-2.6, 3.1,3.2 (limits)
Tuesday, July 18	Sections 3.3-3.10, 4.1-4.5 (differentiation)
Thursday, August 3	Sections 4.6, 4.8, 5.1-5.6 (integration)

Each exam will last the duration of the class. You are **not** permitted to use calculators on exams.

Final Exam There will be a cumulative final exam given on **Saturday, August 12 at 9:00 a.m**.

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.

Grades

Your grade will be calculated according to the following percentages:

Midterm Exams	3 @ 20% each	60%
Final		25%
Quizzes & Lab		15%
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, arriving on time and staying for the duration of the class. You are expected to participate in class discussions, and to treat the instructor(s), other students, and any visitors with respect. Students are responsible for any missed classes.

Workload Students should keep in mind that the duration of this course is six weeks, and we will thus be moving through material faster than a normal calculus course. As your instructor, I expect you to be keeping up with the suggested homework problems, and asking questions whenever necessary.

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*:

`https://www.sa.sc.edu/academicintegrity/`

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, (and the instructor) please silence all electronics (including cellphones) during class.

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

- 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`