Calculus for Business Administration and Social Sciences
Math 122-002 - Spring 2018

Instructor Alicia Lamarche   **Office Hours** TBA
Office LeConte 317N   or by appointment
Mail `alicial@math.sc.edu`

Course Information

Course Website   http://people.math.sc.edu/alicial/teaching/122-S2018/

Meeting Times

> Lecture   MWF   HAMLTN 237   9:40am - 10:30am

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

1. Recall basic mathematical terms related to elementary algebraic, exponential, and logarithmic functions, and derivatives and integrals of such functions and express these terms in correct context.

2. Apply the methods of calculus to solve applications involving maxima, minima, rates of change, motion, work, and area under a curve.

3. Verbally interpret data given as graphs, tables, and equations and put into words the relationship between a function and its derivative or integral given in these forms as well.

4. Utilize a graphing calculator to solve problems, locate maxima and minima of a function, and analyze change in a function.

Materials
(⋆ denotes required materials)

Course Text
Applied Calculus (5th ed), Hughes-Hallett, Gleason, Lock, Flath, et al., Wiley, 2014

⋆ **Calculators**   A graphing calculator is required for this course. Use of the **TI-83** or **TI-84** is strongly recommended. Use of the TI-89 or any calculator with a built-in Computer Algebra System is prohibited.

⋆ **WileyPlus**   Online access to the WileyPlus homework system is required for this course. For more information, see the *WileyPlus* handout. The **course ID is 624413**.

A few comments:
You do not need to purchase the textbook for this course; your online homework code allows you to access the textbook online. Purchasing WileyPlus access via `wileyplus.com` is $100.

Coursework

Homework   There will be a homework assignment corresponding to each class meeting unless otherwise indicated. Students are required to submit their homework assignments via the online WileyPlus homework system, and late work will not be accepted. *It is your responsibility to work through the homework problems in their entirety in order to gain mastery of the material.*

Cellphone Quizzes   To discourage the use of cellphones during class meetings, a quiz will be administered to the entire class if a cellphone, (or any other electronic devices) audibly disrupts the lecture/meeting. These will count as a homework grade and cannot be made-up or retaken.

Midterm Exams   Three exams will be given on the following dates:

February 16	Sections 1.1-1.7
March 26	Sections 2.1-2.5, 3.1, 3.2, 3.4, 4.1-4.4
April 20	Sections 5.1-5.6, 6.1-6.5, 7.1, 7.2, 7.6

Final Exam   There will be a cumulative final exam given during finals week on

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Wednesday, May 2 at **9:00am**

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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.

Supplemental Instruction (SI)   The SI leader for 122-002 is:

Madison Lee	`mal7@email.sc.edu`

Students are encouraged to attend SI Sessions to focus on the most difficult content being covered in class. SI Leaders hold three weekly study sessions that can serve as built-in study time. The schedule is posted on the SSC (Student Success Center) website each week and will also be communicated by the SI Leader.

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

- The Math Tutoring Center located in LeConte 105 offers free tutoring to students, no appointment is necessary.

- 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 weights:

Midterm Exams	3 @ 20% each	60%
Final Exam		25%
Homework		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 Attendance is taken at the beginning of every class meeting. Students are expected to attend every lecture, arriving on time and staying for the duration of the 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 addition to attending class regularly, *you* are responsible for checking blackboard and your university provided e-mail regularly for updates regarding the tentative course schedule and other course-related matters.

Students with Disabilities Reasonable accommodations are available for students with a documented disability.
If you have a disability and may need accommodations to fully participate in this class, contact the Office of Student Disability Services via phone 777-6142, email `sasds@mailbox.sc.edu`, or stop by LeConte College Room 112A. All accommodations must be approved through the Office of Student Disability Services.

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.

Classroom Disruptions To avoid disrupting other students, please silence all electronics, including cellphones, during class. Students who cause significant classroom disruptions can expect to be asked to leave.