

Syllabus

Math 122-E01

Fall 2016

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University of South Carolina

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Contact Information

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Office Hours: Tuesday/Wednesday 4:00 pm - 5:00 pm

Course Information

Lectures: Tuesday/Thursday, 6:00 pm - 7:15 pm in LeConte, Room 101.

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

- 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.
- Apply the methods of calculus to solve applications involving maxima, minima, rates of change, motion, work, and area under a curve.
- 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.
- Utilize a graphing calculator to solve problems, locate maxima and minima of a function, and analyze change in a function.

Pre-Requisites: Qualification through the Math Placement Test or through a grade of C or better in MATH 111 or 111L.

Calculator: A graphing calculator is required for this course. The TI-83 or 84 is highly recommended. A TI-89, TI-NSpire CAS, or similar calculator with a computer algebra system (CAS) is **not** allowed.

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

Course Website: <http://people.math.sc.edu/farmanb/courses/122/S17/index.html>
Here you can find a digital copy of the syllabus, test dates, and other various announcements.

Coursework

Homework:

Homework assignments will be made available through Wiley Plus. Homework is expected to be submitted on time. Late work will **not** be accepted.

Exams:

There will be three in class exams. The exams are **tentatively** scheduled as follows:

Exam 1: Thursday, February 9, 2017,

Exam 2: Thursday, March 16, 2017,

Exam 3: Thursday, April 13, 2017.

There will **not** be any make-up exams. If you miss **one** exam, your final exam grade will replace that missing exam grade. Any further missed exams will result in a grade of zero on those missed exams. **This policy is intended only for exams missed due to illness, accidents, etc. It does NOT mean that your lowest exam grade will be dropped.**

Final Exam:

There will be a 2.5 hour long cumulative final exam on Thursday, April 27 at 7:30 p.m. in LeConte 101. The date and time of the final exam is determined by the registrar and **may not be changed** except under extreme circumstances. **Scheduling your travel home before the day of the final exam does not constitute a valid excuse for rescheduling the final exam.** Failure to appear at the final exam will result in a zero on the final exam.

Grading

Scale:

Grades will be assigned on the following scale:

A: 90-100%,

B: 80-89%,

C: 70-79%,

D: 60-69%,

F: < 60%.

Weights:

Final grades will be calculated with the following weights:

Homework: 40%,

Exams: 30%,

Final Exam: 30%.

Expectations

Academic Integrity: *As a Carolinian...I will practice personal and academic integrity.*

The University of South Carolina expects high standards in all areas from its students. The University, as well as the faculty, staff, alumni, and students believe strongly in the Honor Code. This Code requires acceptance of certain responsibilities and agreement by all students to abide by the spirit of the Honor Code upon entering the University of South Carolina. In order that you may better understand the required responsibilities, the general University community codes are outlined below.

1. It shall be the responsibility of every faculty member, student, administrator and staff member of the University community to uphold and maintain the academic standards and integrity of the University of South Carolina.
2. Any member of the University community, who has reasonable grounds to believe that an infraction of the Honor Code has occurred, has an obligation to report the alleged violation. Violation of any of the following standards subjects the student to disciplinary action: improper collaboration, cheating, lying, bribery, and plagiarism.

Your enrollment in this class signifies your willingness to accept these responsibilities and uphold the Honor Code of the University of South Carolina. Please review the Honor Code via <http://www.housing.sc.edu/academicintegrity>.

Any deviation from this expectation **will result in a grade of F in the course** and will result in disciplinary action through the Office of Academic Integrity.

Attendance:

Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in whatever class discussion may occur.

The following events or circumstances are potentially excusable absences:

- participation in an authorized University activity (such as musical performances, academic competitions, or varsity athletic events in which the student plays a formal role in a University sanctioned event),
- required participation in military duties,
- mandatory admission interviews for professional or graduate school which cannot be rescheduled,
- participation in legal proceedings or administrative duties that require a student's presence,
- death or major illness in a student's immediate family,
- illness of a dependent family member
- religious holy day if listed on www.interfaithcalendar.org,
- illness that is too severe or contagious for the student to attend class,
- weather-related emergencies.

For more information, see the University Attendance Policy:

<http://bulletin.sc.edu/content.php?catoid=36&navoid=3738>.