SYLLABUS
MATH 122-016: SPRING 2016

DUNCAN WRIGHT

UNIVERSITY OF SOUTH CAROLINA

Contact Information

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Office:	LeConte 400K.
Office Hours:	Tuesday/Thursday, 12:00 pm - 1:00 pm (and by appointment).

Course Information

Lectures: Monday/Wednesday/Friday, 1:10 pm - 2:00 pm in Callcott, Room 102.

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

- Recall basic mathematical terms related to elementary algrebraic, exponential, and logarithmic functions and derivitives 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 exam score on the Algebra Placement Test or earned through a grade of C or better in MATH 111 or MATH 111I.

Text: *Applied Calculus*, Fifth Edition, Hughes-Hallett, Gleason, Lock, Flath, et al., Wiley, 2014. ISBN 9781118174920. The eBook, which is included with access to WileyPlus, will be sufficient for the course. **Note: WileyPlus is required.** To enroll in the class on WileyPlus, go to `https://www.wileyplus.com/WileyCDA/` and enter the course ID in the box in the bottom left corner under "Students". The course ID is **491989**. You will also need an access code, which you can purchase through WileyPlus. Alternatively, you can purchase a bundle including both a hard copy of the text and an access code from the bookstore.

Tech Support: I am not tech support. Any support you need can be found at `http://wileyplus.custhelp.com/app/home` and there is also instuctional information on how to register for the WileyPlus class in the "Course Documents" tab on Blackboard. I will not respond to emails regarding tech support.

Calculators: A graphing calculator is required for this course. The TI-83 or 84 is preferred. A TI-89, TI-Nspire CAS, or similar calculator with a computer algebra system will not be allowed on examinations and quizzes.

Course Website: See Blackboard for important announcements and supplemental course materials.

American Disability Act: Students with disabilities needing academic accommodations should:

1. Register with and provide documentation to the Student Disability Services (SDS);
2. Bring a letter to the instructor from SDS indicating you need academic accommodation.

This should be done within the first week of class.

Date: January 11, 2016.

Coursework

Homework: Regular homework assignments will be posted on WileyPlus. Due dates/times will be given when the assignment is announced. All homework is expected to be completed on time. Late work will **not** be accepted under any circumstances.

Quizzes: Frequent quizzes will be given. Your two lowest quiz scores will be dropped. No make-up quizzes will be given for any reason.

Exams: There will be three in-class exams. Make-up exams will be given only under extenuating circumstances (and with substantial proof). The exact dates of the exams will be announced in class, but are tentatively scheduled as follows:

Exam 1: Friday, Febuary 12, 2016,

Exam 2: Wednesday, March 23, 2016,

Exam 3: Friday, April 15, 2016.

Final Exam: There will be a 2.5 hour cumulative final exam on Wednesday, April 27, 2015 at 12:30 pm.

Grading

Scale: Grades will be assigned on the following scale:

A: 90-100%,

B+:   86-89%,

B: 80-85%,

C+:   76-79%,

C: 70-75%,

D+:   66-69%,

D: 60-65%,

F: <60%.

Weights: Final grades will be calculated with the following weights:

Homework: 9%,

Quizzes: 15%,

Exams: 51%,

Final Exam: 25%.

Deadlines: The last day to change/drop a course without a grade of "W" being recorded is January 19. The last day to drop a course or withdraw without a grade of "WF" being recorded is March 3. The last day of classes is April 25.

Expectations

Academic Integrity: Students are expected to act in accordance with the *University of South Carolina Honor Code*, which can be found here: `http://www.housing.sc.edu/academicintegrity`.

Attendance: An attendance sheet will be passed around at the beginning of each class period. Failure to sign the attendance sheet will count as an absence. Attendance will be taken into consideration for cases of borderline grades. See `http://bulletin.sc.edu/content.php?catoid=36&navoid=3738`.