Math 1634H Honors Calculus I Fall 2018

Instructor:	Dr. David Leach	**Office:**	317 Boyd
Time:	MW 12:30-1:45	**Location:**	308 Pafford
	F 12:05-12:55		305 Boyd
Office Hours:	See CourseDen	**Email:**	cleach@westga.edu (Note: Use this email address; do not email me through CourseDen.)
Phone:	678-839-4127	**Textbook:**	*Calculus, Early Transcendentals Single Variable*, Vol 1, 7th Edition, by Stewart.

Learning Outcomes: Upon completing the course, you should be able to
- Compute limits
- compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions
- apply calculus to related rate, max-min, and curve sketching problems
- understand the definition of definite and indefinite integrals
- apply the fundamental theorem of calculus
- compute definite integrals using the techniques of inspection and u-substitution

Grading and Evaluation:

There will be four in-class tests worth 100 points each. There will be several assignments. Your assignments will be averaged into a score out of 100 points. The final exam will be comprehensive and will be worth 150 points. Your course average will be computed by adding your three best tests, your assignment average, and your final exam score; dividing by 5.5; and rounding to the nearest whole number. Letter grades are assigned as follows:

90-100: A   80-89: B   70-79: C   60-69: D   0-59: F

Tentative dates and topics for the tests are given here. These may change depending on the pace at which we cover the material.

Test 1	Fri Sept 7
Test 2	Mon Oct 1
Test 3	Wed Oct 31
Test 4	Fri Nov 30

Attendance: You are expected to attend all classes. If you miss a class, you are responsible for getting all information and materials that you missed.

Make-ups: In order to take a make-up test you must have a valid, documented reason for missing it, and (except in extreme situations) take the make-up within two weekdays of returning to class.

Calculators and Computers: You'll need a scientific or graphing calculator for the homework and tests. Calculators with a built-in computer algebra system (including TI-89s, TI-92s, and those with CAS) won't be allowed on tests. We will make extensive use of the Desmos.com website and other online tools during class. We may also occasionally use spreadsheets.

Bonus & Extra Credit: Throughout the semester, I might assign a few bonus problems to the entire class. No individual extra credit will be assigned for any reason.

Other Course Policies: Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at `https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php`. You should read this at the beginning of each semester.

Important Dates:

Last Day to Withdraw:	Oct 8
Fall Break:	Oct 4-5
Thanksgiving Break:	Nov 19-23
Final Exam:	Mon Dec 10, 11am-1pm