

MATH 1634 – Calculus I, Section 02
Summer Session II 2019

Instructor: Dr Scott Gordon

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Office Hours: M 10:00–12:00, TR 10:00–11:00, or by appointment.

Time and Location: M 12:00–1:40 (Pafford 308), TR 11:00–1:30 (Pafford 109).

Textbook: *Calculus, Early Transcendentals, 7th Ed.*, by James Stewart. We will cover Chapters 2–5.

Course Description: Limits and continuity, rates of change, the derivative, techniques of differentiation, max-min problems, integration, the Fundamental Theorem of Calculus.

Homework: I will assign homework exercises after each section. Selected exercises will be turned in for a grade. Test questions will be based on assigned exercises, so it is important that you work all of them. Please take advantage of my office hours if you have questions.

Tests: There will be five one-hour tests worth 80 points each (Test dates: 6/11, 6/20, 7/1, 7/9, 7/18). The use of calculators, cellphones, or headphones/earbuds is **not** permitted during tests.

Rescheduling Tests: If you have a valid reason for missing a test, you may be allowed to reschedule, but you must make arrangements with me *in advance*.

Math Tutoring Center: You can also get help with homework questions in the Math Tutoring Center (205 Boyd). More information on the Math Tutoring Center (including hours) can be found on the Math Department website (www.westga.edu/~math).

Final: There will be a *cumulative* final exam worth 160 points on 7/25, 12:30–2:30.

Grading: Your numerical grade will be your total points (on tests, presented problems, and the final) as a percentage of the total number of possible points. Your letter grade will be determined according the following grading scale: A: 88–100, B: 76–87, C: 64–75, D: 52–63, F: 0–51.

Withdrawal: 6/27 is the last day to withdraw from the course with a grade of W.

Important policies: Please carefully review the information at

<https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>

It contains important material pertaining to your rights and responsibilities in this class, including the university's honor code.

Learning Outcomes: The student will be able to

1. Find limits algebraically and graphically
2. Use the limit definition of the derivative to compute a derivative
3. Compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions
4. Apply rules of differentiation to compute derivatives
5. Apply calculus to related-rate problems and max-min problems
6. Interpret definite integrals in terms of areas bounded by functions
7. Compute definite and indefinite integrals using the Fundamental Theorem of Calculus