CALCULUS I       MATH 1634-04

Fall 2016
T, R 2:00-3:15 Boyd 301;
F 2:30-3:20 Pafford 302

Instructor: Dr. B. Landman
Office: 330 Boyd
Office Hours: T,R 10:45–12:00 and 1:00-2:00; F 10-11 and 1:30-2:30; or by appointment
Phone: 678-839-4120
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Textbook: Calculus, Early Transcendentals, Volume 1, Seventh Edition, by James Stewart
Prerequisite: MATH 1112 or 1113, with a grade of C or higher

Learning Outcomes:

The student will be able to:
1. Compute limits
2. Understand the concept of a continuous function
3. Compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions
4. Apply differential calculus to related rate, maximum-minimum, and curve sketching problems
5. Understand the definition of the indefinite and definite integral
6. Apply the Fundamental Theorem of Calculus
7. Compute definite integrals using the techniques of inspection and u-substitution

Grading Procedure:

Tests: 300 points (50% of grade)
Quizzes 120 points (20% of grade) (The quiz total may be scaled to 120 points if necessary at the end of the semester)
Final Exam 180 points (30% of grade)
Grading Scale:

(The highest possible number of points is 600)

- 540 points or higher earns a grade of A
- 480-539 points earns a grade of B
- 420-479 points earns a grade of C
- 360-419 points earns a grade of D
- below 360 points earns a grade of F

Tests, Quizzes, and Final Exam:

There will be four tests. Your lowest test score will be dropped. Each test is worth 100 points. The final exam is cumulative. The tests and final exam will be in-class and closed book. Quizzes will be given every Tuesday except on test days or if otherwise announced in advance. Each quiz is worth 10 points; your two lowest quiz scores will not count. No make-up tests or quizzes will be given regardless of the circumstances. If exactly one test is missed, this will be considered to be the test with the lowest score, and will be the test that is dropped. A second (or more) missed test will be given a grade of F. Missed quizzes get a grade of 0 out of 10.

Homework:

Homework will be assigned at each class meeting. It is to be completed by the next class meeting. Although homework will not be collected or graded, it is ESSENTIAL to your success in the course that you do the homework regularly, and on time. Part of each homework assignment is to read the corresponding material in the text.

Academic Honesty:

Any act of academic dishonesty on one of the quizzes, tests, or the final exam will result in an F for the course.

Classroom etiquette:

It is important that every student and the instructor be able to learn and work in an atmosphere conducive to learning. For this reason, interruptions, excessive noise, or other potentially distracting behavior should not take place during the scheduled class time. The following are not allowed during class time: cell phones ringing, beeping, etc.(all cell phones must be off!); eating or drinking; conversation not relevant to class
discussion; sleeping; excessive tardiness; leaving class early without prior notice to the instructor.

**Additional Policies:**

Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at http://www.westga.edu/UWGSyllabusPolicies/. This should be read at the beginning of the semester.

**Other:**

It is **very important** that you allow at least 8 hours per week outside of class for homework and study (more would be better). Also remember: this is a 4-credit course, so the weekly word load is significantly greater than typical 3-credit courses.

**Important Dates:**

- August 12, Fri (4PM) Deadline to drop course
- September 1, Thursday: Test 1
- September 27, Tuesday: Test 2
- September 30, Friday: Last day to withdraw with grade of W
- October 25, Tuesday: Test 3
- November 17, Thursday: Test 4
- December 6, Tuesday: Final Exam (2:00 p.m. - 4:00 p.m.)