Maymester 2017   Calculus I   MATH 1634-02

MTWRF 1:00 – 4:25 PM   Boyd 307

Instructor: Dr. David Leach
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Textbook:
The usual text for this class is *Calculus, Early Transcendentals*, **7e** Vol 1, by James Stewart. If you already have that book, bring it to class to use as a reference, but don't go out and buy a copy just for this class. We will use freely available materials.

Math Tutoring Center:
You can get free walk-in help at the MTC. It's in room 205 Boyd, and is open 11-2 Monday-Friday during the two full weeks of Maymester.

Class Format:
This course is going to be an intensive review of the material from Calculus I. It is assumed that if you are enrolled in this class, you have seen the material before.

Each day I will lecture for a bit on the topic we are covering, and then we will spend the majority of class time working problems from a problem list or from worksheets. I may have some of you work problems at the board. While you work the problems, I will come around to help you (answering questions, explaining things, help if you're stuck) as needed. You're also welcome to work with one another during this time--**the important thing is that you learn the material.**

Calculators:
You'll need a scientific or graphing calculator for class and for the tests. You can't use a calculator with CAS or a smartphone on the tests. If you need a non-CAS calculator for the tests I can loan you one.

Computers/Tablets/Smartphones:
I encourage you to bring your laptop or a tablet/smartphone to class for two main reasons:
- For graphing functions on the site www.desmos.com/calculator, which is a lot nicer than a graphing calculator.
- We will do worksheets in class, and you can get the answers to check yourself on CourseDen.

Learning Outcomes:

Upon completion this 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 Procedure:

Midterm Exam:	Friday May 19	40% of your grade.
Final Exam (comprehensive):	Tuesday May 30	60% of your grade.

90 - 100 earns an A; 80 – 89 earns a B; 70 – 79 earns a C 60 – 69 earns a D; below 60 earns an F.

Test / Attendance Policy:

There are only two tests and twelve class days, so don't miss class. There will be no makeups unless you have a documented emergency.

Office Hours:

If you need additional assistance outside of class time, let me know. I can meet with you any day after class; I can meet with you in the morning if you ask a day ahead.

Other Course Policies:

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

Schedule:

The schedule is available on CourseDen.