

Fall 2016

Calculus I

MATH 1634-L2E/LXE

MW 9:30-10:45

121 Nursing

F 9:05-9:55

301 Boyd

Instructor: Dr. David Leach

Office: 317 Boyd Building

Email: cleach@westga.edu

Phone: (678)839-4127

Textbook: *Calculus, Early Transcendentals*, 7e Vol 1, by James Stewart

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:

There will be four 50-minute tests worth 100 points each, several short assignments that will be averaged into a score out of 100 points, and a comprehensive final exam worth 150 points. Your lowest test score will be dropped. Your average will be computed by adding your three best tests, assignment average, and final exam score; dividing by 5.5; and rounding to the nearest whole number. A letter will be assigned according to the following scale: 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 Policy:

Tentative test dates are listed on the lecture schedule. These dates are subject to change. The final exam will be comprehensive. Makeup tests will not be given without an approved excuse (doctor's note, etc) for missing the test. All makeup tests must be completed within 2 days (excluding weekends) of your return to class.

Calculators:

You'll need a calculator. Two types of calculators that are forbidden on tests: calculators with CAS capability (such as the TI-89 and n-Spire CAS), and smartphones. If you don't already have a calculator, I make the following recommendations: If you want a graphing calculator (or if you plan to take Linear Algebra), get anything from the TI-83 or TI-84 series (\$75-\$110). If you want a non-graphing calculator, get a TI-36X Pro (\$20) or Casio fx-115ES PLUS (\$16).

Non-graded Homework:

Homework will be assigned from each section. It will not be collected, but it is strongly recommended that you complete it. Homework will consist of both exercises and reading the text.

Attendance:

I do not take attendance every day, and I do not require an excuse for an absence on a non-test class day. However, you are responsible for all material and course information covered during your absence.

Graded Assignments:

Throughout the semester, there will be a number of graded assignments. These may consist of handouts or problems from the textbook. These assignments will be averaged together to get a score out of 100 points.

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.

Important Dates:

Labor Day	September 5
Last Day to Withdraw	September 30
Fall Break	October 6-7
Thanksgiving Break	November 21-25
Final Exam	Wednesday, Dec. 7, 8:00-10:00 am

Tentative Lecture Schedule

Day	Date	#	Section
Wed	8/10	1	2.1
Fri	8/12	2	2.2
Mon	8/15	3	2.2/2.3
Wed	8/17	4	2.5
Fri	8/19	5	2.6
Mon	8/22	6	2.7
Wed	8/24	7	2.7/2.8
Fri	8/26	8	3.1
Mon	8/29	9	3.1/Review
Wed	8/31	10	Test 1
Fri	9/2	11	3.2
Mon	9/5		Labor Day
Wed	9/7	12	3.3
Fri	9/9	13	3.4
Mon	9/12	14	3.4/3.5
Wed	9/14	15	3.5
Fri	9/16	16	3.6
Mon	9/19	17	3.9
Wed	9/21	18	3.9
Fri	9/23	19	Review
Mon	9/26	20	Test 2
Wed	9/28	21	3.10
Fri	9/30	22	4.1
Mon	10/3	23	4.1
Wed	10/5	24	4.2

Day	Date	#	Section
Fri	10/7		Fall Break
Mon	10/10	25	4.3
Wed	10/12	26	4.4
Fri	10/14	27	4.4/4.6
Mon	10/17	28	4.6
Wed	10/19	29	4.7
Fri	10/21	30	4.7
Mon	10/24	31	Review
Wed	10/26	32	Test 3
Fri	10/28	33	5.1
Mon	10/31	34	5.2
Wed	11/2	35	5.2
Fri	11/4	36	5.3
Mon	11/7	37	5.3
Wed	11/9	38	5.4
Fri	11/11	39	5.4
Mon	11/14	40	Review
Wed	11/16	41	Test 4
Fri	11/18	42	5.5
Mon	11/21		Thanksgiving
Wed	11/23		Thanksgiving
Fri	11/25		Thanksgiving
Mon	11/28	43	5.5
Wed	11/30	44	Calc II Preview
Fri	12/2	45	Review