

Calculus I

Math 5A 56218–Spring 2016
Daily 10:00 – 10:50 am
Room: FEM 3

Instructor: Mr. Ron Reimer
Office: Fem 1F
Office Hours: TWTh 9:00 – 9:50 am
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Phone: 559-638-0300 ext 3355

Course Description: Introduction to calculus, analytic geometry, differentiation and integration of polynomial, exponential, logarithmic and trigonometric functions; limits; curve sketching and applications.

Course Objectives

In the process of completing this course, students will:

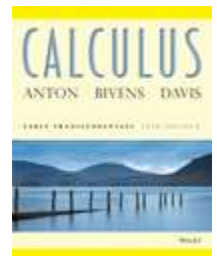
1. analyze and sketch the graphs of simple functions.
2. determine the domain and range of compound and composite functions.
3. calculate limits and determine the continuity of functions.
4. Find the derivative of a function as a limit
5. differentiate polynomial, trigonometric, rational, exponential, and logarithmic functions.
6. solve related rates and extrema problems using the derivative.
7. Evaluate a definite integral as a limit.
8. perform calculations using the Fundamental Theorem of Calculus.
9. perform indefinite and definite integration including the use of substitution.

March 11	F	Last day to drop this course without receiving a "W"
May 18	W	Final Exam 10:00 – 11:50 am FEM 3

Required:

- A non-graphing scientific calculator, TI-30XIIS is recommended, any will work. Phones and graphing calculators may not be used on exams.
- Graph Paper
- Straight edge
- Lots of determination and time. This class will require a lot of work.

Required Text: REQUIRED TEXT: Anton, Calculus Single Variable Early Transcendentals 10th Edition, ISBN: 978-0-470-64768-4



Attendance: In order to maintain continuity of subject matter regular attendance is imperative in any academic course. You are expected to attend all class sessions, arrive on time and stay for the entire session. If you have accumulated more than 5 absences on March 11, 2016, you will be dropped from this course. Do not be late to class. If you are not present when role is taken you will be marked absent, it is your responsibility to inform me if you arrive after role has been taken.

Homework: Homework is to be done on standard notebook paper. If using a spiral notebook please tear off the shredded edge. Homework will have two parts. The first part will consist of odd numbered problems for which the answers are available in the back of the book. It will be graded based on completeness. To be complete the problems need to be written down as they are given in the book (except word problems), all important steps must be shown (show work as I do in class) and the solution must be given. The second part will consist of even numbered problems. It is to be done on a separate piece of paper and will be graded based on completeness and accuracy as time allows. Homework will be 20% of your grade.

Exams: Exams will be given as chapters are completed. These will be comprehensive exams of all sections assigned through that time. Your mean score of these exams will account for 70% of your grade. A final exam will be given at the end of the course and will be comprehensive over all material throughout the entire course. The final exam will account for 10% of your grade.

If you have 5 or fewer absences and 5 or fewer tardy marks at the end of the semester your final exam score will replace your lowest chapter exam score if it helps you.

Homework 20%	90<A
Exams 70%	80<B<90
Final Exam 10%	70<C<80
	60<D<70
	0<F<60

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences ranging from a failing grade on a specific assignment to a failing grade in the course.