

# Math 5A 52012 Calculus I

Instructor: Mr. Ron Reimer

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Please use Canvas Messaging to contact me

**Catalog Description:** This class is an introduction to calculus, analytic geometry, differentiation and integration of polynomial, exponential, logarithmic and trigonometric functions; limits; curve sketching and applications.

**Advisories:** Eligibility for English 1A

**Prerequisites:** Mathematics 3A or 4B, and Mathematics 4A

## Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- Evaluate limits using graphical, analytical, and tabular techniques
- Calculate and interpret the derivatives of algebraic, trigonometric, and transcendental functions
- Translate problems from the physical, life, and social sciences into mathematical models and apply appropriate techniques to solve
- Calculate the integrals of algebraic, trigonometric, and transcendental functions

June 5	M	Class Begins
June 7	W	Students who have not logged into MyLab by this date will be dropped as a No Show.
June 9	F	Last day to drop this course without receiving a "W"
June 19	M	Must have paid access to MyLab, students without paid access may be dropped
June 23	F	Last day to drop this course
July 14	F	Final Exam Due

## Required:

- MyLab Access: Must enter MyLab using the link on our class Canvas page
- a scientific calculator, the TI-30XS is recommended, any will work.
- Access to a computer with high speed internet

## Homework:

- Homework (and exams) will be due weekly, due dates are listed in MyLab. Do not wait until the last days before the due date to do an entire week of assigned work, it will be too much.
- The videos will not cover every detail in the assignments. The textbook also needs to be studied. There is a Textbook link in every assignment.
- To maximize learning work should be done neatly on paper. You should have paper, pencil, and a calculator with you at all times when working on this class. Your work should be shown and written in a neat, organized way on paper as if it were being graded. Your results must be submitted in MyLab.

**Exams:** There will be an exam at the end of each chapter in this course. Exams will be timed with a generous time limit and can be taken one time only.

**Final Exam:** There will be a comprehensive final exam assessing your knowledge of all topics covered in this course at the end of the semester. The final exam will count as a regular exam toward your final grade.

**Grades:** Final grades will be calculated based on weighted categories as follows.

Homework	40%
Exams and Final Exam	60%

**Grading Scale:**

90<A<100
80<B<90
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. The student receiving the grade for this course on their transcript must be the person doing the work at ALL times in this class. 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.