Math 5B 51049 Calculus II

Instructor: Mr. Ron Reimer Office: MSCI 137 Email: ron.reimer@reedleycollege.edu Please use Canvas Messaging to contact me On Duty in Math Center (on Campus): M 12:00-4:00pm T 9:00-11:00am F 12:00-1:00pm	Office Hours: MWF 7:00-8:00am, MSCI 137 and Zoom T 8:00-9:00am, MSCI 137 and Zoom Th 7:00-8:00am Zoom Only F 7:00-8:00am, MSCI 137 and Zoom Alternate Zoom meeting times will be communicated through Canvas Messaging. Message me through Canvas to request a meeting if the times offered do not suite your schedule.

Catalog Description: This class investigates the applications of integration,many techniques of integration, improper integrals, parametric equations, polar coordinates and functions. Further study involves conic sections, exponential growth/decay models, infinite series including Maclaurin and Taylor Series.

Prerequisite: Math 5A

Student Learning Outcomes

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

- Evaluate definite and indefinite integrals using various techniques
- Apply the use of integrals to problems involving areas and volumes of solids
- Determine the convergence of infinite series by using the appropriate test
- Differentiate and integrate functions in polar and parametric form

August 7	M	Class Begins
August 8	T	Students who have not registered for MyLab will be dropped as a No Show
August 21	M	Must have paid access to MyLab, students without paid access may be dropped
August 25	F	Last day to drop this course in person without receiving a "W"
September 4	M	Labor Day, No Class
October 6	F	Last day to drop this course, "W" assigned
November 10	F	Veterans Day, No Class
November 23-24	Th-F	Thanksgiving Holiday, No Class
December 6	W	11:59pm Final Exam Due

Required:

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

Homework:

- Homework should be done neatly on paper and submitted through MyLab, due dates will be posted in MyLab. Late homework (not exams) can be done for 80% credit.

Exams: There will be an exam at the end of each chapter in this course, dates to be announced.

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	30%
Exams and Final Exam	70%

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.