



Syllabus: Calculus II

Course Number: MATH 2414

Semester & Year:

Instructor Information

Name: Robert A. Jones
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Office Hours: Will be posted on office door

Textbook Information: OPEN SOURCE

<https://legacy.cnx.org/content/col12172/1.2/pdf>

Student Learning Outcomes for the Course

Upon successful completion of this course, students will:

1. Use the concepts of definite integrals to solve problems involving area, volume, work, and other physical applications.
2. Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals.
3. Define an improper integral.
4. Apply the concepts of limits, convergence, and divergence to evaluate some classes of improper integrals.
5. Determine convergence or divergence of sequences and series.
6. Use Taylor and MacLaurin series to represent functions.
7. Use Taylor or Maclaurin series to integrate functions not integrable by conventional methods.
8. Use the concepts of polar coordinates to find areas, length of curves, and representations of conic sections.

Student Requirements for Completion of the Course and Due Dates

To complete the students must show up to class to take daily quizzes, major tests and the student must also maintain a math binder that will include all quizzes, tests, homework, handouts and a report on a mathematician. This binder will be turned in on the date of the final exam to be graded.

Student Assessment

You have the following possibilities for earning points:

- | | |
|----------------------------|-----------------|
| (1) Daily quizzes - | 10% Final Grade |
| (2) Math Binder - | 15% Final Grade |
| (3) Major Tests/Mid Term - | 50% Final Grade |
| (4) Final Exam - | 25% Final |

Grading Scale

Grade	
A	90-100
B	80-89
C	70-79
D	60-69
F	59-below

Class Schedule

Attendance Policy

Attendance in a math class is very important, therefore a student will be dropped from math 2414 if they have (6) six absentees. The student will be contacted on the fifth absence and a meeting will be scheduled to talk about the absentees. If the student misses two more class they will be dropped.

Make-up Policy

It is important that students attend every math class, therefore there will not be any makeup opportunities given for quizzes and test. However if a student misses a major exam the students grade on the final exam will be put in for the missing score to compute the students class average.

Academic Integrity Statement

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F".

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This

information can be found in the Student Handbook at <https://texarkanacollege.edu>.

Disability Act Statement:

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact 903.823.3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning if not before the start of class* so there is ample time to make the accommodations..

Financial Aid:

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

Name: _____ Date: _____