

# TEXARKANA COLLEGE

**Syllabus:** Calculus 2

**Course Number:** Math 2414

**Semester & Year:** Fall 2015

**Instructor Information**

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Office Hours:

Mon	Tues	Wed	Thurs	Fri
9:30 – 11:00	9:30 – 11:00 2:00 – 3:00	9:30 – 11:00	9:30 – 11:00 2:00 – 3:00	9:30 – 11:30

**Textbook Information**

- MyMathLab access code
- *Calculus, Early Transcendentals*, 2<sup>nd</sup> Edition, by Briggs, Cochran and Gillett  
ISBN 13:978-0-321-94734-5
- A Graphing Calculator (note: TI-89 and TI-Nspire are not allowed on tests)

**Student Learning Outcomes for the Course**

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 concept of polar coordinates to find areas, lengths of curves, and representation of conic sections.

**Student Requirements for Completion of the Course and Due Dates**

Homework is to be completed online using MyMathLab. Chapter tests are taken in the classroom on paper. Final exams are in the classroom on the assigned date. Due dates are listed on MyMathLab. There may be other work assigned by the instructor throughout the semester.

**Student Assessment:** You have opportunity to earn points in the following 3 areas. Your final grade will be determined by the corresponding percentages.

Homework – 20% (Lowest 3 scores dropped)

Chapter Tests – 60% (no test grades will be dropped)

Final Exam – 20%

**Grading Scale**

<b>A</b> 90-100	<b>B</b> 80-89	<b>C</b> 70-79	<b>D</b> 60-69	<b>F</b> 59-below
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**Class Schedule:** Assignment due dates are listed on MyMathLab. See attached schedule for a list of material to be covered.

### **Absentee Policy**

Texarkana College's absentee policy allows instructors to withdraw a student from a course due to excessive absences. If a student leaves and returns during class or leaves the class before the class is over, he/she **may** be considered absent or tardy. Three tardies constitute one absence. Students are expected to attend each meeting of their registered courses.

A student should not stop attending a class without formally withdrawing from the course by the institutions published Last Day for Students to Drop. If a student stops attending class after the published Last Day for Students to Drop, the student **may** receive a grade of "F" in the class. The instructor will submit the last date of attendance for students receiving a grade of "F" or "W".

Withdrawal from a course(s) **may** affect a student's current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both short and long term consequences of a withdrawal.

### **Maximum Allowable Absences**

The maximum allowable absences refers to the maximum number of unexcused absences a student is allowed before a student may be dropped from the course. For academic classes that meet 4 times a week, the instructor may withdraw a student from the course if they exceed 8 absences. This means you may be dropped from the course for having 9 recorded absences.

### **Excused Absences**

A student's absence due to school trips and/or school business will not be counted against a student's allowable number of absences. Military duty and absences for Holy Days (FBD LEGAL) are covered in a separate section of the catalog and the student handbook. These are the only excused absences that are considered by Texarkana College. Responsibility for work missed for any absence is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to military duty or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons.

### **Make-up Policy**

Students may make up missed tests if the absence is due to military duty or religious holy days when students notify the instructor prior to being absent. Students may also make up tests due to an emergency (documentation may be required). In the event of an emergency, the student must contact the instructor prior to the test. The instructor has the final say whether or not a student will be allowed to make up the missed test. The makeup test may be a different form of the test. Any missed test will be recorded as a zero.

There is a 5 day window after the due date in which to complete each homework assignment (except for the last ones). Scores are automatically reduced 20% per day beyond the due date. Students may have the homework due date extended for excused absences only (See excused absences above). ALL work is due by the last regular class day.

### **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 Larry Andrews at 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.