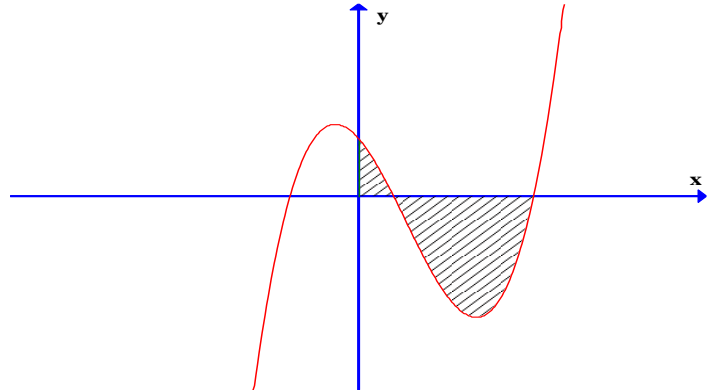




**MATH 1241 Sec. 02**  
**Survey of Calculus**

Fall 2011  
CRN: 86811  
MWF 1:00 – 1:50 p.m.  
UC 268

**Instructor:** Billie May  
**Phone:** 678-466-4445  
**Dept. Phone:** 678-466-4403  
**E-mail** [BillieMay@clayton.edu](mailto:BillieMay@clayton.edu)  
**Address:** <http://cims.clayton.edu/bmay>  
**Homepage:** UC-429  
**Office:** **Main Campus:** MWF 11:30-12:00,  
2:15-3:00, TTh 10:00-11:00  
**Office Hours:** **Fayette Campus:** T 5:00-6:00 p.m.  
Other times by appointment



**A grade of C or better in MATH 1101 or MATH 1111 or a grade of D or better in Math 1113 or equivalent mathematics placement scores is a prerequisite for this course.**

**COURSE DESCRIPTION:** This course is a non-rigorous study of differential and integral Calculus of functions of one variable with decision applications for business and social science. Math 1241 is NOT open to students with credit for Calculus 1 - Math 1501.

**COMMON LEARNING OUTCOMES:** After successful completion of Math 1241 – Survey of Calculus the student will be able to:

1. Analyze linear, quadratic, polynomial, rational, root, exponential and logarithmic functions using algebra and calculus
2. Differentiate and integrate polynomial, rational, root, exponential and logarithmic functions
3. Solve applications from business, economics, social and life sciences involving various meanings of the derivative and integral
4. Use graphics technology to compute, graph, model, and solve problems

**MATERIALS REQUIRED FOR THE COURSE:**

1. The **textbook** – *Calculus and Its Applications*, 12<sup>th</sup> edition, by Goldstein, Lay, Schneider, Asmar; 2010. (See note in item 4 below)

2. **Computer:** Every CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. See <http://itpchoice.clayton.edu> for full details of this policy. The computer will be needed when taking on-campus examinations. Students should have the standard CSU software installed on their computers as soon as possible. Please go to <http://thehub.clayton.edu> for information about setting up an appointment for having this software installed on your notebook computer. Students should use their assigned CSU email account to check for important information pertaining to this course.

3. **Math Software:** Math 1241 will use free graphing software, appropriately named *Graph*, to draw graphs and to do simple calculations—it may be downloaded from the [Graph Download Page](#). The filename is [SetupGraph-4.3.exe]. Microsoft Excel may also be used at the instructor's discretion.

4. **MyMathLab:** All graded homework will be completed using MyMathLab, a web-based system. Your textbook, if purchased at the bookstore, should have been bundled with an access code for MyMathLab. If you purchased a textbook elsewhere, you will need to purchase an access code online at <http://www.coursecompass.com> You should use your CSU email when registering for MyMathLab. Note: For those who are comfortable using an eBook, you may want to purchase an access code only, since the eBook is included. Before you register, you will need the access code and a Course ID which will be provided by your instructor.

### **GENERAL OUTLINE OF CONTENT**

CHAPTER 0: Functions (Sections 1-6)

CHAPTER 1: The Derivative (Sections 1-8)

CHAPTER 2: Applications of the Derivative (Sections 1-7)

CHAPTER 3: Techniques of Differentiation (Sections 1-2)

CHAPTER 4: Exponential and Natural Logarithm Functions (Sections 1, 5, 6)

CHAPTER 5: Applications of the Exponential and Natural Logarithm Functions (Section 3)

CHAPTER 6: The Definite Integral (Sections 1-5)

### **OTHER NOTES**

**You will be responsible for sending and receiving email from your CSU account (I will NOT respond to emails received from other accounts).** If you send an email to the instructor, be sure to include your name, course and section number, and use a meaningful subject line.

*All cell phones should be either turned off or in "silent" (not vibrate) mode during all class times.*

Your computer, and other forms of electronic information, should be used only for class activities. It is distracting to the professor and the rest of the class if you are doing anything other than participating in current class pursuits. If you must do something other than focus on this class, please do so outside our classroom. Multitasking in our time and space is not appropriate.

**ATTENDANCE:** Regular attendance is expected and necessary to understand the material of this course. Attendance will be taken every class period. You are responsible for all work and information whether you attend class or not.

**STUDENT RESPONSIBILITIES** have been established for all CSU students. It is your responsibility to read and adhere to all stated policies.

### **IMPORTANT DATES:**

Sept. 5 & 6: Labor Day Holiday (no classes)

Oct. 7: Midterm – last day to withdraw with a W

Nov. 23 - 25: Thanksgiving Day Holiday (no classes)

Dec. 2: Last day of classes

Dec. 5: Final Exam 12:30 p.m. – 2:30 p.m.

**COURSE GRADE:** Your course grade will be based on your total points accumulated from homework, quizzes, tests and a final exam. **You are expected to do your own work in this class for all assignments. Online quizzes should be completed without assistance from any other living person. Any violation of this will result, at the minimum, in a grade of zero on that assignment. Academic Misconduct charges will also be filed.**

**HOMEWORK:** Graded Assignments will be completed using *MyMathLab*. It is your responsibility to set-up and maintain your *MyMathLab* account. It is your responsibility to maintain your computer and internet connection.

There may also be daily homework assignments from your textbook which will not be graded but that are essential to help you learn the material in this course.

**QUIZZES:** There will be five quizzes. Quizzes may be in class or in MyMathLab. Your lowest quiz grade will be dropped. Quizzes may not be made up for any reason.

**TESTS:** Four tests will be given, each worth 100 points. Your lowest test score will be dropped. Therefore, there will be no make-up tests. If you must miss a test, that will be the score that will be dropped.

**FINAL EXAM:** The Final Exam is cumulative from the beginning of the semester. No student will be excused from taking the final exam, and only under unusual circumstances will a student be allowed to take the exams at any time other than the regularly scheduled time. Failure to take the final exam will result in the grade of "F" for the course.

**GRADING:** All grades will be assigned on the traditional scale:

Assignment	Possible Points	Percentage Points	Traditional Scale	Total Points	Final Grade
Homework	100	15.4%	90-100	585-650	A
Quizzes	100	15.4%	80-89	520-584	B
Tests	300	46.2%	70-79	455-519	C
Final Exam	150	23%	60-69	390-454	D
<b>TOTAL POINTS</b>	<b>650</b>	<b>100%</b>	<b>0-59</b>	<b>0-389</b>	<b>F</b>

**MIDTERM ADVISORY GRADE:** The mid-term grade in this course will reflect approximately 35% of the entire course grade. Based on this grade, students may choose to withdraw from the course and receive a grade of "W." Students pursuing this option must fill out an official withdrawal form, available online from the Office of the Registrar, before the midterm date of October 7, 2011.

**RESOURCES:** Your instructor holds regular office hours and is willing to help. The Center for Academic Success (CAS) is located on the lower level of the Library, and the CAS home page is <http://adminsives.clayton.edu/caa/>. The CAS sponsors a Peer Tutoring Program. Please see the CAS website for more information and to schedule an appointment with a Peer Tutor. Additional group instruction is available from the members of the CAS staff who have advanced mathematics training. There is also a Student Solutions Manual available in the CAS; purchase of the Student Solutions Manual is optional. There are materials and computer software which may be of help. If you need help on background arithmetic or algebra, there are also videotapes which may be of help. There are numerous books on algebra in the CSU library for further reference and study.

**DISABILITY SERVICES:** Students with disabilities who require reasonable accommodations need to register with Disability Services (DS) in order to obtain their accommodations. You can contact them at 678-466-5445 or [disabilityservices@clayton.edu](mailto:disabilityservices@clayton.edu). If you are already registered with DS and are seeking accommodations for this course, please make an appointment with your instructor to discuss your specific accommodation needs for this course and give the instructor your accommodations letter.

### **UNIVERSITY POLICIES:**

The No Show Rule: Any paid student who has failed to attend a class by the specified deadline for the term will be identified as a “no show.” The “no show” student will be administratively withdrawn from the class, as grade of W will be posted, and the student will NOT be reinstated. Any appeals on the decision are made to the Dean.

The Three Tries Rule: A student who has withdrawn or earned less than a satisfactory grade (F, U, D, WF, W) a total of three times in a course at CSU will not be allowed to take the course again. Any appeals on the decision are made to the Dean.

(See the current Academic Catalog for details on these and other university policies.)

### **DISRUPTIVE CLASSROOM BEHAVIOR<sup>1</sup>**

Disruptive behavior in the classroom can negatively effect the classroom environment as well as the educational experience for students enrolled in the course. Disruptive behavior is defined as any behaviors that hamper the ability of instructors to teach or students to learn. Common examples of disruptive behaviors include, but are not limited to:

- Eating in class
- Monopolizing classroom discussions
- Failing to respect the rights of other students to express their viewpoints
- Talking when the instructor or others are speaking
- Overt inattentiveness (e.g., sleeping or reading the paper in class)
- Creating excessive noise
- Entering the class late or leaving early
- Use of pagers or cell phones in the classroom
- Refusal to comply with faculty direction

Students exhibiting these types of behaviors can expect a warning from the instructor or dismissal for the lesson in which the behavior occurs. Failure to correct such behaviors can result in dismissal from the course.

More extreme examples of disruptive behavior include, but are not limited to:

- Use of profanity or pejorative language
- Intoxication
- Verbal abuse of instructor or other students (e.g., taunting, badgering, intimidation)
- Harassment of instructor or other students
- Threats to harm oneself or others
- Physical violence

Students exhibiting these more extreme examples of disruptive behavior may be dismissed from the lesson or the entire course.

Students dismissed from a lesson will leave the classroom immediately or may be subject to additional penalties. Dismissed students are responsible for any course material or assignments missed.

Students dismissed from a course have the right to appeal the dismissal to the department head responsible for the course. Appeals beyond the department head may also be pursued. If no appeal is made or the appeal is unsuccessful, the student will receive a grade of WF (withdrawal – failing) regardless of the current grade in the course.

**Conditions attributed to physical or psychological disabilities are not considered as a legitimate excuse for disruptive behavior.**

<sup>1</sup> The description of disruptive behavior and listings of examples of disruptive behavior are taken from the Web sites of James Mason University, the University of Delaware and Virginia Tech.

**OPERATION STUDY:** At Clayton State University, we expect and support high motivation and academic achievement. Look for Operation Study activities and programs this semester that are designed to enhance your academic success such as study sessions, study breaks, workshops, and opportunities to earn Study Bucks (for use in the University Bookstore) and other items.