

Syllabus

Course Information

- Semester and Year: Fall 2026
- Course Title: Brief Calculus
- Course Prefix and Number: MAT213
- Section Number: 25607
- Credit Hours: 3
- Start Date: Aug 25, 2026
- End Date: Dec 18, 2026
- Room Number: CM460
- Meeting Days: Tuesday/Thursday
- Meeting Times: 9:00-10:15 AM
- Class Format: In-Person

Instructor Information

- Instructor: James Spiker
- Email: James.spiker@scottsdalecc.edu
- Phone: (480) 423-6012
- Office Location: CM409 or via Google Meet
- Office Hours: Monday/Wed 7-10

Course Description

Introduction to the theory, techniques and applications of the differential and integral calculus of functions with problems related to business, life, and the social sciences.

Course Note

Students may receive credit for only one of the following: MAT212 or MAT213.

Prerequisites and/or Corequisites

- Grade of "C" or better in MAT15x, or MAT187, or an appropriate math placement.

Course Competencies

1. Find derivatives of functions using both the definition and theorems.
2. Use the derivative to solve and analyze application problems related to business, life and the social sciences.

3. Use technology to model, solve, and analyze problems related to real world applications.
4. Find the integral of functions using theorems.
5. Use the integral to solve and analyze application problems related to business, life and the social sciences.

General Education & Institutional Learning Outcomes

General Education provides foundational learning experiences that contribute to academic and career success. It is reflected in Scottsdale Community College's Institutional Learning Outcomes: Arts & Humanities Awareness, Career Readiness, Critical Thinking and Problem Solving, Effective Communication, Information Literacy, and Social Responsibility. Students who take MAT213 will use differential and integral calculus and technology to solve and analyze problems related to business, life, the social sciences, and other real-world applications.

Program Learning Outcomes

Credit-bearing courses at Scottsdale Community College can count toward the completion of a degree or certificate program. Each program has Program Learning Outcomes, which are learned assets that students can claim to have acquired by completing their academic or occupational program at SCC. Program Learning Outcomes can be found on the [Degrees and Certificates page](#) of the SCC Website. For each degree, look under "What You'll Learn."

Texts and Course Materials

Textbook: Business Calculus by Callaway, Hoffman, and Lippman, copyright 2013. ISBN: 9781634348874. A printed copy may be purchased at the SCC bookstore, or the book may be downloaded as a PDF for free from the MOER website.

Workbook: Brief Calculus Student Workbook, Carla Stroud, copyright 2020. ISBN: 9781634349536. A printed copy may be purchased at the SCC bookstore, or the workbook may be downloaded as a PDF for free from the MOER website.

Calculator: A graphing calculator is required for this course. A TI-83, TI-83+, or TI-84 is recommended. Calculators with QWERTY keyboards or those that do symbolic algebra (such as the TI-92 or TI-89) are NOT allowed. Your cell phone may NOT be used as a calculator on an exam.

Computer Access: You will need regular access to a computer with an Internet connection, a web camera, and a microphone in order to complete online assignments and exams. You are responsible for completing all assignments on time regardless of any computer issues that may occur.

[Visit the SCC Bookstore](#)

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

Academic Dishonesty

When an exam is proctored online, students may be asked to describe their solution method or to redo a similar problem in a live online meeting with the instructor. Students who are found to be cheating on an exam will receive a 0 for the exam.

Class Withdrawal

This is not a self-paced class. You have assignments and due dates and must make regular and consistent progress on course work and assignments. If you miss any exam you may be withdrawn. If you fall more than 1 week behind schedule you may be withdrawn by your instructor. Please keep contact with your instructor to avoid this! Students can request to withdraw from this class (with a grade of W) at any time up to two weeks prior to the end of the course.

If a student withdraws or is withdrawn from the course, the instructor is required by law to report last day of attendance (LDA). This date is based upon actual work that is submitted and/or communication with the instructor about the class.

Course Grading Policy

Final grades are calculated using the scale listed in the syllabus. Final grades are non-negotiable. It is unethical to reach out at the end of the semester and request "a few extra points" or discuss the consequences of not earning the grade you want in the class. Messages of this nature will not receive a response.

Attendance Policy

Attendance to both the in-person and live online sessions is mandatory. Students who exceed 3 absences may be dropped from the course. Students who do not communicate with the instructor on any absence may be dropped from the course. Please let me know if you are going to be gone. Students who have not communicated about absences and have 3 or more absences WILL be dropped from the course.

Instructional Contact Hours and Minimum Course Expectations

This is a three (3) credit-hour course. Plan to spend at least three hours on course content or seat time (direct instruction) and six hours on homework weekly. Accelerated courses will require additional time per week.

Instructional contact hours are the weekly time students spend directly learning with their instructor or course activities. These activities include, but are not limited to, lectures,

discussions, labs, group work, and viewing recordings. Instructional contact hours vary by course; refer to the [MCCCD course bank](#) for your course's details.

Minimum course expectations include the number of hours students are expected to spend outside of class (weekly) completing coursework. Students are encouraged to use the [Time Management Calculator](#) to help estimate their weekly time commitment for classes.

Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of the technologies used in this course. The [SCC Help Desk](#) provides students with a primary point of contact within SCC for college-supported technology services and technical assistance.

Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

MOER Account

We will be using MOER as the course learning management system. The syllabus, schedule, announcements, assignments, grades, and course materials/textbook will be accessible through MOER. It is important that you check your MOER account regularly so that you are informed of any announcements/information sent during the week. Failure to create a MOER account by the end of the first week of class will result in being withdrawn from the course.

MOER: <https://moer.maricopa.edu>

Course ID: 23899

Enrollment Key: 25603

Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services.

- YouTube

Technical Requirements

Students are responsible for having the technology needed to complete the online components of the course.

- A reliable Internet-connected computer
- A web camera and microphone
- A TI-83, TI-83+, or TI-84 graphing calculator is recommended

Exams and Proctoring

There are two exams for this course. Students must take all exams in order to pass the class. Exams must be completed on or before the date given. If you know there is a conflict for an exam date, you must contact your instructor to make an earlier exam. There are no late exam dates available.

When an exam is proctored online, students may be asked to describe their solution method or to redo a similar problem in a live online meeting with the instructor. Students who are found to be cheating on an exam will receive a 0 for the exam.

Grading Standards and Practices

Grade Scale

Table 1 Course Grading Scale

Letter Grade	Points Range
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	59% or less

Assignments

Table 2 List of Assignments

Assignment Name	Percent of Grade
Online Lessons	10%
Homework (online & written)	10%
Online Quizzes	10%
Exam 1	35%
Exam 2	35%
TOTAL:	100%

Assignment Details

Online Lesson: The Online Lesson is your direct instruction on the content. Online Lessons are set up like an interactive textbook - read through the text and examples, watch the videos, and complete the problems. You will have unlimited attempts at each question. It is recommended that students purchase or print the Brief Calculus Workbook and use the online lessons to complete the lessons in the workbook.

Homework: Online homework assignments will be due weekly in MOER. Homework questions can be posted to the FAQ forum for the instructor or other students to answer or asked in class. You will get three attempts at each question, then you will have to try a new similar question for an attempt at full credit. Any written homework assigned during the semester will be announced and posted on MOER. To receive full credit, written homework assignments must be organized, complete, and detailed. Late written homework assignments will NOT be counted for credit.

Late Passes: Late Passes can be used on the Online Lessons and Online Homework assignments and will extend the due date for 72 hours. I understand that the schedule of assignments may not meet your life schedule. With that in mind I do not penalize your grade for using late passes. However, with unlimited late passes, be sure to use them wisely. Students who fall more than one week behind schedule may be dropped from the course.

Online Quiz: The Online Quiz gives you the opportunity to demonstrate your understanding of the material. You will have two chances per question, with a 30% penalty on the second attempt. You will have the opportunity to retake two quizzes in an attempt to improve your score. The practice quizzes are optional but highly recommended and can be taken as many times as you wish.

Student/Instructor Interaction

Response Time

Students can expect the instructor to respond to messages within 24 hours during the week and 48 hours on the weekend. Online lessons, homework, and quiz assignments will be graded immediately in MOER and other assignments (forum posts, reflections, etc.) will be graded within 48 hours after submission. Exams and written homework assignments will be graded within 5 days of the due date.

Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [Tutoring & Learning Centers](#) page for detailed information on the five learning centers' hours and procedures.

As much as possible, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments. If you need to work with a tutor outside regular hours, online and hybrid students have access to a 24/7 online tutoring service called Brainfuse. Brainfuse provides online tutoring in a variety of academic subjects. Each student may utilize up to 6 hours of online tutoring through Brainfuse per semester, and has the option of requesting additional time if needed.

Math/Science Tutor Center

The Math Center will offer remote tutoring to students who are currently enrolled in mathematics courses at Scottsdale Community College. Visit their webpage for more information: [SCC Math Tutoring](#)

To access Brainfuse and begin working with a tutor, visit the SCC Online Tutoring Services Through Brainfuse page, click the Visit a tutor online button, enter your MEID and password, choose your topic and subject, and click Connect. Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real-time, and Brainfuse sessions are recorded for review later.

Learning Tools and Your Privacy and Security

SCC utilizes a variety of software applications and web-based tools operated by third party vendors to support student learning. To allow student access to the application, site or tool, certain identifiable information may be required to establish a user name or password, and submit work and/or download information from these tools. Inherent with all internet-based tools, there is a risk that individuals assume when electing to use these tools, as they may place information at risk of disclosure.

To use learning tools responsibly, please observe all laws and the Maricopa Community College District Student Conduct Code, such as copyright infringement, plagiarism, harassment or interference with the underlying technical code of the software. As a student using a learning tool, you have certain rights. Any original work that you produce belongs to you as a matter of copyright law. You also have a right to the privacy of your educational records. Your contributions to learning tools constitute an educational record. By using the tool, and not taking other options available to you in this course equivalent to this assignment that would not be posted publicly on the internet, you consent to the collaborative use of this material as well as to the disclosure of it in this course and potentially for the use of future courses.

MCCCD Policies

MCCCD is committed to providing a safe, fair, and accessible environment for all students. This includes laws such as the ADA and Title IX, which protect against discrimination. These statements explain your rights, available support, and where to go for help or more information. Please review the following policies:

Classroom Accommodations for Students with Disabilities

In accordance with the Americans with Disabilities Act (ADA), the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. physical, sensory, neurological, chronic illness, mental health, learning disabilities, or other health concerns). If you require accommodations for this course, please contact [Disability Resources and Services](#) (DRS) at your college.

Contact with [DRS](#) should be made as soon as possible to ensure academic needs are met in a reasonable time. Additional information can be found in the [Non-Discrimination Statement](#) and [MCCCD Non-Discrimination Policies](#).

[Addressing Incidents of Title IX Sexual Harassment](#)

Students are responsible for the information contained in this syllabus, the Syllabus page in the Canvas course, and the College Policies & Student Services page located under SCC Student Resources in the Canvas course navigation menu. The instructor will notify students of any changes to course requirements or policies.