SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

Semester & Year:	Spring 2025
Course Title:	Calculus 2
Course Prefix & Number:	MAT 230/231
Section Number:	30075 / 29871
Credit Hours:	5/4
Start Date:	January 27, 2025
End Date:	May 9, 2025

Course Format

The format for this course is Online in MOER. First, sign into Canvas, and on the Home page read the Welcome Module and find **the Course ID** and **Enrollment Key** within this Module as well as instructions to sign onto MOER and enroll whether for the first time or the n^{th} time.

Instructor Information

Instructor:	Patricia Dueck
Email:	patricia.dueck@scottsdalecc.edu
Phone:	480-423-6594
Office Hours:	MW 4:00 PM to 5:30 PM, CM 453
	TTh, 2:30 PM to 3:30 PM, CM 453
	Others by appointment

Click here during the Office Hours times listed above and you will meet with Prof Dueck immediately. If you plan on coming to virtual office hours, please let Prof Dueck know in an email.

Course Description

Techniques of integration for both proper and improper integrals with applications to the physical and social sciences, elements of analytic geometry, and the analysis of sequences and series.

Prerequisites

Grade of C or better in MAT220 or MAT221 or equivalent.

Course Competencies

Evaluate indefinite, definite and improper integrals using various algebraic, trigonometric and numerical techniques

Solve applied problems taken from the sciences using integration.

Analyze curves in the plane described using parametric and polar equations.

Define, classify, and analyze conic sections.

Determine the convergence or divergence of sequences, series of constants, and power series.

Compute polynomial approximation and power series representation of elementary functions using derivatives and integrals. Compare alternate solution strategies, including technology.

Communicate process and results in written and verbal formats.

Justify and interpret solutions to application problems.

Perform operations on vectors.

Use vector operations in applied problems.

Use technology when appropriate

Texts and Course Materials

Calculator

- A graphing calculator is required for this course. The suggested calculators include the TI-83 or TI-83 plus and the TI-84. NOTE: Calculators with QWERTY keyboards or those which do symbolic algebra (e.g. TI-92s, TI-89s, Casio FX2 or 9970G's) cannot be used during an exam.

- You are responsible for knowing how your calculator works! There are also links to help with the calculator on MOER.

Computer

- You will need regular access to a computer (with online connection) in order to complete the online homework and online modules that are part of this course.

- The midterm and final exam will be administered in person at SCC or via ProctorU. It must be proctored. ProctorU requires fees.

Webcam

- If you ues Proctor U, you will need a working webcam in order to take the exams.

Email

- You will need a working email address that you **check regularly**.
- Regular class announcements and information are often sent via email which will be sent to your SCC email or through MOER Messages. Information about how to access and forward your SCC email account can be found under student resources on the SCC website.
- You can change your email in MOER but if you have another email you would like to use have your Maricopa Email forwarded to that email address.

Textbook

- We will be using an open text for this course which can be downloaded for free, printed out, or purchased from Amazon.
- Links for downloading and/or purchasing can be found in MOER
- The text is NOT required for this course

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.

Policy on Incomplete

- In order to receive an incomplete in the course, the student must have completed at least 90% of the course work and have a passing grade at the time the incomplete is taken.

Policy on Student Grades

- 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.

Policy on Exams using Disability Resource Services (DRS)

- Students using DRS to assist with this course are responsible for setting up any necessary accommodations prior to taking any assessments. This is only for items for which DRS is needed.

Response Time

- Students can expect a response time of 24 hours for the instructor to respond to messages sent via the Canvas Learning Management System or email during the week and 48 hours

over the weekend. Students can expect assignments to be graded instantly. Non-proctored exams will be graded within 48 hours.

Grading Standards & Practices

Grade Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Assignments

Assignment Name	Percent of Grade
Online Lessons	15%
Online Homework	20%
Online Quizzes	15%
Midterm Exam (proctored and non-proctored)	25%
Final Exam (proctored and non-proctored)	25%
TOTAL:	**100%**

Online Lessons (15% of grade)

- There are video lessons that align with each section in the book we will be covering.
- **YOU CANNOT START A HOMEWORK ASSIGNMENT UNTIL YOU WORK THROUGH ALL OF THE PROBLEMS FOR THE CORRESPONING "ONLINE LESSON" (get a score of 50%).**
- Due dates are posted in MOER and you must complete the homework by

the due date and time for full credit.

- Latepasses may be used if additional time is needed. There is a 20% penalty applied to points earned during the latepass (after the due date). A Latepass must be requested through MOER within 24 hours of the due date of the assignment. You can request more than 1 per assignment.

Homework (20% of grade)

- Online homework is assigned in MOER
- Problems may be attempted until correct up until the due date for the assignment
- You can opt to see the answer for a problem and have a new problem generated
- Assignments are worth varying totals based on the number of questions and the amount of points each question is worth.
- If you need more time to complete an assignment a Latepass should be used.
- Problems worked on during Latepass incur 20% penalty. A Latepass must be requested through MOER within 24 hours of the due date of the assignment. You can request more than 1 per assignment, penalty does NOT compound.
- Lowest online homework score is dropped

Quizzes (15% of grade)

- There will be a quiz given at the conclusion of each chapter
- You will get multiple attempts at each question, but the points possible drops by 30% for each incorrect answer.
- Quiz dates are listed in MOER. If you cannot complete a quiz by date listed you must use a Latepass. There is a 20% penalty for quizzes completed late. A Latepass must be requested through MOER within 24 hours of the due date of the assignment
- Lowest quiz score is dropped.

Exams (50% of grade)

- All exams must be proctored either using Proctor U, the SCC Testing Center, or with the instructor in an SCC classroom.

- If you using ProctorU, you are required to follow the instructions of the proctor. Failure to comply with proctor requests could result in a partial or total loss of points on your exam.

- Exams must be taken by the date and time listed in MOER calendar. Exams CAN be taken early. Please notify the instructor ASAP if you'd like to take either the Midterm or Final Exam early.

- Exams taken after the assigned date in MOER will be subject to a late penalty regardless of the reason. It is possible that you may not be able to take the exams late at all.

- Review materials will be available in MOER prior to the exam.

Note 1:

For students enrolled in MAT230 you are required to complete a short essay at the end of each module. There will be questions for you to answer. You can find the link at the end of each module below or in the calendar. There will be 5 essays to complete, 1 for each module. These essays count as part of your homework grade. The essay questions are not required for students taking MAT231.

For students enrolled in MAT231 you will see an 'x' in the grade column for the Module Recap Essays indicating that you are excused from these assignments and they will not count towards your grade.

Essays must be completed within 3 days of their due date, after that you will no longer be able to apply a latepass. Be sure to adhere to the due dates in the calendar!

Note 2:

Both MAT230 and MAT231 transfer the same with regards to Calculus. MAT230 is 5 credit hours, 4 of which transfer for Calculus credit. The extra hour can transfer as a general elective.

Attendance Policy

Attendance is determined via your participation in the course. This is not a self-paced course. You must complete assignments and make regular progress or you will be withdrawn. Refer to the Calendar section in MOER for the assignment submission schedule. Students that fall one week behind the Calendar schedule may be withdrawn from the class without notice.

To keep an active status, you must have logged in to MOER and worked on an assignment (just logging in does not count as activity) or email your instructor to let him/her know why you have not logged in for 1 week. There is a syllabus quiz and an introductory homework assignment due the first week of class, if these are not completed you will be withdrawn.

No Generative Artificial Intelligence (AI) Allowed

In this class, all work submitted must be your own. The use of generative AI tools will be considered academic misconduct (see Administrative Regulation 2.3.11 1.B(b)) and will be treated as such. If you are unsure if the tool or website you are using is a generative AI tool, please contact the instructor for further clarification before using the tool or website.

Student and Instructor Interaction

In this course, you can expect regular and substantive interaction (RSI) that aligns with Scottsdale Community College's mission to provide challenging and supportive learning experiences and the US Department of Education's requirement for regular and substantive interaction (RSI) for online courses. My commitment to your success includes the following:

- Being available during regularly scheduled student support hours.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via recorded, and/or text-based lectures.
- Promptly responding to student questions about the course sent via email, or MOER messaging.
- Regularly posting announcements about the course content and activities.

Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course or a five (5) credit course. Plan to spend at least 23 to 25 hours on course content weekly. This is an accelerated course and if you wish to be successful, you will need to spend plenty of time learning the material.

Online Tutoring

- SCC Tutoring Center has virtual and in-person tutoring and it is free! Check out the Tutoring Resources in MORE for information about using the Math Tutoring Center and Discord for tutoring.

- Online and hybrid students now have access to 24/7 online tutoring via *Brainfuse*. You may utilize up to 6 hours of online tutoring per semester for free, and request additional time if needed.

  To access Brainfuse and begin working with a tutor:

  1. Visit the SCC Online Tutoring page (https://www.scottsdalecc.edu/students/tutoring/online-tutoring)
  2. Click the **Visit a tutor online** button
  3. Enter your MEID and password
  4. Choose your topic and subject
  5. Click the **Connect** button

  Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real time through the Brainfuse Online Classroom. Whatever you type, draw, or share on the screen, the tutor sees, and vice versa. You may also want to have screenshots ready if applicable. All sessions are recorded for you to 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.

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.