CT STATE
COMMUNITY COLLEGE

COURSE SYLLABUS

Subject, Course# Title: **MATH 2600, Calculus 1**
Course CRN: 10894
Number of Credits: 4 credits
Semester and Year: Fall 2025
Prerequisites: MATH1610 Pre-Calculus
Course Days & Times: TR 5:30PM - 7:15PM
Learning Modality: This is a traditional course and meets on campus unless otherwise indicated.
Course Delivery: This class will meet on ground with materials found at http://www.bakersmathclass.com
Campus Location: Three Rivers Campus
Class Location: Room E221
Academic Calendar: Bookmark this page for important semester academic engagement deadlines: https://ctstate.edu/academic-calendar

Instructor Information:

Name: Tony Baker	**CT State e-mail:** Tony.Baker@ctstate.edu
Phone: 860 373 0143	**Campus office Location:** E206
Office Hours: Tuesday and Thursday 2:30 - 5:00 pm by appt.	

As a CT State student, you have been given an official student email address, which is the primary way you will receive communications from all your professors and the college. It is your responsibility to check your college email **regularly** for all communications. Emails are not sent to personal email accounts. To access your email, go to: https://my.ctstate.edu/

Course Description:
Introduces functions, continuity, limits, derivatives of algebraic and early transcendental functions, antiderivatives, definite integrals, and their applications. Uses graphing calculators to enhance and broaden the range of concepts and applications discussed.

Required Textbook/Materials:

Product	ISBN
ND CT STATE CC ALEKS STANDALONE ONLINE ACCESS CALCULUS	9781266362231

CT State gives free access to web applications and downloads of Microsoft Word, Excel, PowerPoint, and OneNote. For more information, go to: Accessing Office 365. Click “Log In” on the upper right of the page. Log in using your Net ID and password.

Student Learning Outcomes:

Upon successful completion of this course, the student will:

1) Deep understanding of the concepts of limits, derivatives, and integrals.
2) Grasping the connections between derivatives and rates of change, and between integrals and accumulation.
3) Proficiency in calculating derivatives using various techniques.
4) Developing critical thinking skills to analyze, reason, and make connections.
5) Applying derivatives to solve optimization problems, analyze curves, and model real-world scenarios.
6) Gaining confidence in tackling challenging mathematical concepts.
7) Fostering a deeper appreciation for the power and beauty of mathematics.

Course Delivery:

All materials for this course will be posted on http://www.bakersmathclass.com. Assignments will be posted on the website. Homework is available on WebAssign the course code is :**trcc.mohegan 8254 5716**

Evaluation & Grading:

Modules in ALEKS	40%
3 Tests	30%
Final Exam	20%
Participation	10%

To compute numerical credit point averages, grades are evaluated as follows for each semester hour of credit. Grades on exams, papers, and quizzes, will be based on this grading system.

Grading Standards and Equivalency Table

Letter Grade	Grade Scale	GPA Equivalency	Description
A	93-100	4.0	Distinguished achievement in all phases of the course or assignment
A-	90-92	3.7	
B+	87-89	3.3	
B	83-86	3.0	High level of achievement in some phases of the course or assignment
B-	80-82	2.7	
C+	77-79	2.3	
C	73-76	2.0	Basic understanding of the subject of the course or assignment
C-	70-72	1.7	
D+	67-69	1.3	
D	63-66	1.0	Minimal performance in the course or on the assignment
D-	60-62	0.7	
F	0-59	0.0	Failure

Final grades and academic standing can be obtained from https://my.ctstate.edu/.

Course Outline/Readings:
This schedule may be modified at the discretion of the instructor to accommodate students' needs, and the instructor will notify the students when doing so, but students are responsible for being aware of any changes.

Date	Section	
8/28/2025	The Limit of a Function	Section 2.2
9/2/2025	Calculating Limits Using the Limit Laws	Section 2.3
9/4/2025	Continuity	Section 2.5
9/9/2025	Limits at Infinity; Horizontal Asymptotes	Section 2.6
9/11/2025	Review Chapter 2	
9/16/2025	**Test for Chapter 2**	
9/18/2025	Limits to Derivatives	Section 2.7 and 2.8
9/23/2025	Power, Product, and Quotient Rules	Section 3.1 and 3.2
9/25/2025	Derivatives of Trigonometric Functions	Section 3.3
9/30/2025	The Chain Rule	Section 3.4
10/2/2025	Implicit Differentiation	Section 3.5
10/7/2025	Derivatives of Logarithmic Functions	Section 3.6
10/9/2025	Related Rates	Section 3.7 to 3.9
10/14/2025	Review Chapter 3	
10/16/2025	**TEST Chapter 3**	
10/21/2025	Max and Min Values and The Mean Value Theorem	Section 4.1 and 4.2
10/23/2025	How Derivatives Affect the Shape of a Graph	Section 4.3
10/28/2025	L'Hopital's Rule	Section 4.4
10/30/2025	Summary of Curve Sketching Graphing with Calc.	Section 4.5 and 4.6
11/4/2025	Optimization Problems	Section 4.7
11/6/2025	Review of Chapter 4	
11/11/2025	**NO CLASS**	
11/13/2025	**TEST Chapter 4**	
11/18/2025	Antiderivatives and Areas and Distances	Section 4.9 and 5.1
11/20/2025	The Definite Integral	Section 5.2
11/25/2025	The Fundamental Theorem of Calculus	Section 5.3
12/2/2025	Indefinite Integrals and the Substitution Rule	Section 5.4 and 5.5
12/4/2025	Review for Final Exam	
12/9/2025	**Final Exam**	

ALEKS Login Information

Instructions for the student:

Your **Class Code** is: **TLJDX-PEUCE**

Your **Financial Aid Access Code** is: **6314A-AE947-04524-9CD3F**

The Financial Aid Access Code does not add an additional two weeks to your account.

NOTE: This code gives you temporary access to ALEKS for a two-week period. Once the code expires, you will be locked out of your ALEKS account until you purchase a regular Student Access Code. **It is highly recommended that you purchase the Student Access Code BEFORE the two weeks expire** to prevent interruptions with your ALEKS account.

1. To log into ALEKS using the Financial Aid Access Code, go to: https://www.aleks.com.
2. Click on the "**SIGN UP**" link located in the menu at the upper-right of the page.
3. Enter your **Class Code** in the box and click on "**Continue.**"
4. Verify that you are registering for the correct class and click on "Confirm."
5. Continue with the registration process until your account has been set up successfully.
6. On the Apply Access page, enter the 20 character Financial Aid Access Code and click "Continue."
7. Next you will see a page with the date your temporary access expires, click "Continue."
8. You will arrive at the **My Classes** page.
9. You can extend your access to your new class at any time by selecting **"Extend access"** from the class tile menu and enter your new access code. **You do not need to create a new ALEKS account to continue your class.**

Enjoy your class.