VIRGINIA COMMONWEALTH UNIVERSITY
Department of Mathematics

I. Required Syllabus Information

A. Course prefix and number, section number, and title
CRN: 13868
Section Number: 004
Subject: Mathematics & Appl Mathematics
Course Number: 200
Title: CALCULUS ANALYTIC GEOMETRY I

B. Semester term and credit hours
Associated Term: Fall 2024
Credit Hours: 4

C. Class meeting days/times/location
Class meeting days/times: TTH 02:00 PM - 03:45 PM
Location: Monroe Park Campus | MPC Academic Learning Commons | Room 2107

D. Instructor name, contact information, and office hours
Instructor name: Allison H. Moore
Contact information: moorea14@vcu.edu
Office hours: W 9-10, F 10-11 Harris Hall 4149 (tentative)

E. University course description (required to be verbatim from the University Bulletin)
MATH 200 Calculus with Analytic Geometry I Semester course; 4 lecture hours. 4 credits. Prerequisite: MATH 151 with a minimum grade of C or satisfactory score on the VCU Mathematics Placement Test within the one-year period immediately preceding the beginning of the course. Limits, continuity, derivatives, differentials, antiderivatives and definite integrals.

F. Course prerequisites, if any
Students must have successfully completed MATH 151 with a grade of C or achieve a satisfactory score on the Mathematics Placement Test (>= 200).

G. Student learning outcomes
Develop the skills and understanding of the fundamental ideas of calculus necessary for you to be successful and competent in your chosen major. The fundamental ideas include derivative, limits, and the definite integral using rational, exponential, polynomial, logarithmic and trigonometric functions.

H. Required texts and/or course materials
You will need access to the following:

1. Access to the Canvas site. Important announcements, a copy of the syllabus, lecture notes, study guides, homework, occasional quizzes, and other assignments will be posted

to Canvas. Check this website regularly and make sure you receive email announcements from Canvas.
2. Access to MyLab for web-based homework assignments. MyLab is integrated into Canvas. MyMathLab gives you access to an electronic version of the textbook.
3. Access to the textbook **or e-Book**: Briggs' *Calculus: Early Transcendentals*, Third Edition, Pearson. (There is no need to buy a hard copy if you can effectively use the online version that comes automatically with MyLab.)

There are several ways to get access to the course materials. The simplest is to log-in to Canvas and to navigate to "MyLab and Mastering." From here, click through to MyLab to access to the course materials. Alternatively, you can purchase the MyLab Student Access Kit from the VCU bookstore or buy the hard copy of the textbook that comes with MyLab access. Note that this is the most expensive option, and that you do not have to purchase a hard copy in order to access an electronic version of the textbook. You may also purchase MyLab/e-text access directly from Pearson. There is typically a 14-day free trial for MyMathLab. Be aware though, that you must purchase access to the online homework system through one of the above methods within that trial period.

I. Course Schedule

The schedule is subject to change, as is appropriate for the progression of the class. Homework and quiz dates, in particular, may vary. Announcements regarding due dates and detailed schedule updates will be made regularly via Canvas.

Homework: Assigned online multiple times each week, check Canvas and MyLabMath. Generally due on Sunday evenings, starting August 25, 2024.

Quizzes: Weekly on Tuesdays with exceptions on exam weeks, starting August 27, 2024.

Major Assignment Schedule:

• **Midterm 1**	**Tuesday, September 17**	**In class, in-person**
• **Midterm 2**	**Tuesday, October 22**	**In class, in-person**
• **Midterm 3**	**Thursday, November 21**	**In class, in-person**
• **Final Exam**	**Thursday, December 12**	**12:30 – 3:20 PM**

See section II-Q below for additional information about quiz, exam and homework policies.

J. Final exam date and time
Exam to be held Thursday December 12, 2024, 12:30 – 3:20 PM. (Scheduled by Registrar.)

K. Grading scale
90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F. Instructor reserves the right to curve.

L. Grade categories and weights

Quizzes	10%	Averaged together, lowest 2 dropped
Homework	18%	Averaged together, lowest 2 dropped
Midterm 1	18%	Non-cumulative exam
Midterm 2	18%	Non-cumulative exam
Midterm 3	18%	Non-cumulative exam
Final	18%	Cumulative exam
Attendance and participation	Bonus	

M. Link to the VCU Syllabus Policy Statements on the Provost's Website
Visit http://go.vcu.edu/syllabus and review all syllabus statement information. The full university syllabus statement includes information on safety, registration, the VCU Honor Code, student conduct, withdrawal and more.

N. The following statement and link:
Use VCU Libraries to find and access library resources, spaces, technology and services that support and enhance all learning opportunities at the university. (https://www.library.vcu.edu/)

II. Additional Syllabus Information

O. Modality
The modality of this course is Face-to-Face Instruction. In-person attendance and participation is required. Homework (and possibly some quizzes) will be submitted online. All other assignments will held in person unless otherwise stated.

P. Zoom and Canvas
In the event of illness or other campus disruption, we may need to conduct meetings virtually. For online meetings, we will use the following Zoom link:
https://vcu.zoom.us/j/85699382025
Meeting ID: 856 9938 2025

Canvas and MyLabMath will be used to download and submit homework. Canvas may be used to conduct quizzes in the event that the university switches to online-mode or in other special circumstances.

Q. Homework, Quiz and Exam Policies
Q1. Homework: Homework will be assigned weekly and due weekly. Late assignments will be accepted, but a small penalty may be applied. Homework assignments will be posted to MyLabMath in advance, and you may complete assignments early. Students in this class are encouraged to work with each other on homework.

Q2: Quizzes: Short quizzes will be held in class and will be timed. In the event of inclement weather or university closure, quizzes may need to be conducted through Canvas (in which case advance notice will be given). Most quizzes are closed notes due to time constraints, and you are

not allowed to consult other people or internet-based resources. In general, there will be no makeup quizzes offered. For this reason, I will drop the two lowest quiz grades. If you are sick or busy one week and miss a quiz, this will become one of your two dropped grades. An exception will be made for students with documented, long-term medical issues disrupting their ability to attend school or students that must travel regularly for a university-sponsored team or event (for example, a sports team whose away games are scheduled for Tuesdays). If this applies to you, contact me at the beginning of the semester; arrangements must be made in advance.

Q3: Midterms: Three midterm exams are scheduled along with a final exam. Exams will be timed and in-person, and all sections of Math 200 share some common midterm exam questions. Make-up exams are permitted only in the event of emergencies, serious illnesses, or university-sponsored conflicts (e.g. sport travel), for which advance notice must be given. Graphing calculators and simple calculators will be permitted on midterm exams, however you are NOT allowed to use a phone, smartphone, tablet or any other internet capable device as a calculator.

Q4: Final: The final exam is cumulative and will be given during the school scheduled final exam time. Final exam times are set by VCU here: https://rar.vcu.edu/exams/index.html.

I will **absolutely not** offer the final exam early to accommodate travel. Do not plan to travel during the final exam period.

Make-up criteria is the same as for exams.

The final exam is a common exam, shared between all sections of Math 200. Rules, policies and expectations will be announced later in the semester and will be adopted by all sections of Math 200.

R. Expectations and Advice

Attendance:

- You are expected to attend class.
- If you miss class, it is *your responsibility* to learn the missed material from the text or to acquire notes from other students in class. A lecture schedule will be posted to Canvas and updated periodically so you will know what topics were addressed.
- I will not always have notes available, particularly on worksheet days. If you are absent, I would suggest contacting another student in the class for notes.
- There are no make-up assignments if you miss class.

Succeeding in Calculus:

- Students are expected to come prepared to class: read and study the text, study the worked problems and examples. Be punctual and do not carry on side conversations or texting.
- Students are expected to be actively involved in the learning process by filling in the missing details, asking questions, and making up examples and illustrations.
- Students are expected to express their curiosity (or confusion) by raising questions.
- When demonstrating work, I expect you to show all significant steps that are used to complete each problem. In cases where work is missing, you may not be given full credit.

- I encourage you to work with others on homework problems, however, any assignments to be graded should be worked on your own.
- To do well, expect to spend an hour each day working on mathematics outside of the classroom, a total of at least 7 hours each week. This includes, but is not limited to, working on homework in MyLab, doing practice problems, and working the study guide for tests.
- Mathematics is learned through practice and repetition. The majority of this practice should be done by the student at home. That is, it is not likely you will have mastered a topic after the lecture is given. You will still need to learn through doing after the class.

For additional help with homework and studying, Math 200 students can also get help Supplemental Instruction (SI) leaders. This is basically like free tutoring by peer college students. For Fall 2024, any student enrolled in MATH 200 can attend *any* SI Leaders' session times. The session times are listed below and will be posted on the CLC's website.

Math 200: Calculus with Analytic Geometry I				
Professor	**SI Leader**	**Day**	**Time**	**Location**
All Sections	Gui	Monday	2:00 PM	Hibbs B26
		Wednesday	5:00 PM	Hibbs 118
		Friday	11:00 AM	Hibbs B26
All Sections	Jonathan	Tuesday	2:00 PM	Hibbs B26
		Wednesday	6:00 PM	Hibbs 118
		Friday	12:00 PM	Hibbs B26

S. Academic Dishonesty (cheating):

- You are expected to uphold the honor system at all times.
- If you are suspected of cheating, the matter will be sent to the honor council. This may result in a zero on the assignment, an F in the class, or suspension from the University.
- Examples of cheating include, but are not limited to, the following:
  - copying someone else's quiz/test or allowing another student to copy your quiz/test.
  - paying a tutor to solve a problem on your homework or having someone else do your homework for you
  - copying answers to problems from websites like Stack Exchange
  - using sites like Chegg, Quora, Slader, Coursehero or social media to solicit for answers, regardless of whether it is free or paid
  - prompting any type of AI to answer quiz/test problems
  - gaining knowledge from looking at another student's quiz/test
  - giving another student answers (or letting them copy) on a quiz/test

- discussing a quiz/test with someone who has already taken it or asking for information on a quiz/test from someone who has already taken it

Caveat: Homework is primarily for practice. Working together with your classmates on homework assignments in a collaborative manner is *not considered cheating in this class*. I strongly encourage students in this class to work together on homework assignments.

T. Our shared learning environment

Everyone should know that I am grateful for your presence and appreciate your input in our in-person and online classes. You are welcome here, and our diverse backgrounds make us stronger together. I am dedicated to providing a welcoming and inclusive environment for all students, independent of your immigration status, country of origin and/or citizenship, race, ethnicity, religious affiliation, gender/sex, gender identity, sexual orientation, age, ability or disability, socioeconomic status, or perspective. Thank you for joining my class and bringing your unique experience and background to our intellectual community!

U. Students with disabilities:

VCU is committed to ensuring that all students maintain equal access to all aspects of the university, including educational experiences through the provision of reasonable accommodations and academic adjustments. In addition to being a requirement under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, this speaks directly to VCU's mission of inclusion, equity, and access. To receive accommodations or other disability-related supports, students must register with the Office of Student Accessibility and Educational Opportunity on the Monroe Park Campus (828-2253) or the Division for Academic Success on the MCV campus (828-9782). Students and faculty can visit the **Student Accessibility and Educational Opportunity website** and/or the **Division for Academic Success website** for additional information. Once students have completed the registration process, they will be provided with a letter of accommodation. They should provide a copy to their instructor(s) and attempt to schedule a meeting to discuss the implementation of accommodations as early in the semester as possible.