

MATH 201: CALCULUS WITH ANALYTIC GEOMETRY II

COURSE SYLLABUS

VIRGINIA COMMONWEALTH UNIVERSITY

FALL 2025

SECTION 004

Modality: In person
Meeting times: TTh 11:00 am – 12:15 pm
F 11:00 – 11:50 am
Meeting location: Hibbs Building 207

Instructor:

Brent Cody
Office: Harris Hall 4110
Email: bmcody@vcu.edu
Personal Website: <https://brentcody.github.io/>

Office hours:

Harris Hall 4110
Thursday 10:00 am - 10:50 am
Friday 12:30 pm - 1:30 pm
If these hours don't work for you send me an email to schedule an appointment.

Course Description:

MATH 201. Calculus with Analytic Geometry II. 4 Hours.
Semester course; 4 lecture hours. 4 credits. Prerequisite: MATH 200 with a minimum grade of C. Applications of differentiation and integration. Selected topics in analytic geometry. Infinite series.

Course Goals:

The course will focus on integral calculus, its applications, and infinite sequences and series. Topics to be covered include:

- A variety of integration techniques, among them integration by parts, trigonometric substitution, and partial fractions.
- Methods of numerical integration.
- Using integrals to calculate arc lengths, areas, and volumes.
- Applications of integrals to problems in physics and geometry.
- The convergence of infinite sequences and series.
- Power series and their use in approximating analytic functions.
- The calculus of parametric and polar curves.

Textbook, Homework System and Calculator:

Textbook: Briggs, *Calculus: Early Transcendentals* (3rd Edition), ISBN-13: 9780138118518, Pearson (Note: an electronic copy of the book is available through MyLab.)

Pearson MyLab Math: You will need to obtain an access code to the web-based textbook/homework system. You can find directions about how to do this on Canvas.

Calculator: You will be allowed to use a graphing calculator (such as a TI-83, 84, or 86) on some quiz and test problems, but all work must be shown to receive full credit unless specifically stated otherwise.

Course Website: All course materials and assignments are on Canvas. To find our course website, log in to Canvas at the link below.

<https://learningsystems.vcu.edu/canvas/>

Tutoring:

Campus Learning Center:

- PASS Leaders are trained tutors who provide peer-to-peer academic support. They attend MATH 201 in order to keep up with the course material and then host three study sessions each week. Students from any course section may attend any of the session times included in the chart below. **Christian Lawrence** is a PASS Leader for Math 201, and will be available as follows:

Day	Time	Location
Mondays	7:00 pm	Hibbs 118
Wednesdays	2:00 pm	Hibbs B16
Sundays	5:00 pm	Hibbs 118

- The Campus Learning Center (CLC, 107 Hibbs Hall) offer free:
 - drop-in tutoring,
 - appointment tutoring and
 - group tutoring.

For more information visit:

<https://clc.vcu.edu/tutoring/>

The Math Help Center

- The Math Help Center (Grace E. Harris Hall 2126) offers free tutoring Tuesday, Wednesday and Thursday from 11:00 am to 6:00 pm:

<https://math.vcu.edu/current-students/help-center/>

Expectations:

The only way to truly learn mathematics is to be actively engaged with it yourself. I therefore expect you to attend all classes, complete all assignments to the best of your ability, and ask questions either in class or during office hours. It is important that you stay up-to-date with the material being covered in the course; please make use of office hours or course discussion forums if anything covered in class is not clear. If the scheduled office hours do not work for you, send me an email to schedule a different time.

In addition to attending the 3 hours and 20 minutes of class time each week, I expect that you will spend at least 7 hours per week outside of class working on this course.

Grades:

The usual 10-point grading scale will be used to determine course grades (90–100 is an A, 80–89 is a B, etc.). The graded assignments for the course are broken up into four categories as follows.

Homework	10%
Quizzes	12%
Worksheets	8%
Tests	45% (15% each)
Final Exam	25%
Total	100%

- (1) **Homework (due on different days each week):** Homework assignments will be submitted through the Pearson MyLab system. To get started with MyLab visit the front page of our Canvas site (log in at the link below).

<https://learningsystems.vcu.edu/canvas/>

The first homework assignment is due on Tuesday, January 20 by midnight.

- (2) **Quizzes (usually on Thursdays):** Most Thursdays, a quiz will be given in class.
- Books, notes, phones, tablets, computers and use of the internet is strictly prohibited during quizzes, as is communication with other people; such activity will be considered cheating.
 - Calculators will be allowed, although usually you will need to show work to receive credit.

The first quiz will be on Thursday, January 22.

- (3) **Worksheets:** Worksheets will be assigned in class on *unannounced days* for students to complete in groups. Worksheets may cover material from previous homework assignments or from the current lecture.
- (4) **Tests:** There will be three midterm tests, which I will announce at least one week in advance. Calculators will typically be allowed for most of the problems, however, you must show all work to receive credit.
- Tests will be graded out of 100 points and partial credit will be given.
 - While you are taking tests, use of notes, books, electronic devices and the internet is strictly prohibited, as is communication with other people; such activity will be considered cheating.
- (5) **Final Exam:** The final exam will be cumulative and will take place in our usual classroom at the following time.

Thursday, May 7, from 8:00 pm to 10:50 am.

Grading and makeup policies:

Late homework will be accepted, but only according to the following rules.

- For each homework assignment you get a single 2 day extension up to 7 days after the original due date.
- Work submitted after the original due date, during an extension, is scored with a 30% penalty.
- Work done before the due date is scored with no penalty.
- No homework extensions are given after 7 days of the original due date.

Under normal circumstances I do not make a distinction between excused and unexcused absences. **I do not give makeup quizzes, tests or worksheets.** Instead, the following policies allow you to miss a few assignments without negatively impacting your grade.

- I will drop your lowest homework grade.
- I will drop your two lowest quiz grades.
- I will drop your two lowest worksheet grades.
- All students are required to take the final exam.
- Your lowest test score will be replaced with your score on the final exam if it helps your grade.
- If you miss one test, then that counts as your lowest test score, and your final exam score will be used in its place.

If you miss the final exam for a legitimate reason (i.e. a documented illness or emergency) then I can give you a grade of Incomplete (I) for the course, and you will need to make up the missed exam.

Important Dates:

Friday, January 16 Last day of add/drop period

Friday, April 3 Last day to **withdraw** with a mark of "W".

For other important dates visit: <https://academiccalendars.vcu.edu/>.

University Syllabus Statement:

Students should visit <http://go.vcu.edu/syllabus> and thoroughly review all of the listed syllabus statement information. The full university syllabus statement includes information such as safety, registration, the VCU Honor Code, student conduct, withdrawal from courses, and more.

Requesting Accommodation:

***If you have a letter of accommodation, please contact me directly (before/after class or by email) to schedule a time for us to discuss it.

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 [Office of 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.

Health and well-being:

Navigating the anticipated stressors of daily life can often be challenging enough. When unexpected stressors emerge or when we are faced with uncertainty, it can be tough to know how to cope. Try out some of these [tips and resources for health and wellness](#) to see if they are the right fit for you. Symptoms or Diagnosis: If an on-campus student identifies symptoms, has tested positive for COVID-19 or has come into contact with someone diagnosed with COVID-19, that student should contact University Student Health Services. At that point, isolation should begin and contact tracing will be performed by Student Health Services. Symptoms will be monitored and the student should refer to a medical provider if symptoms worsen or be released from isolation after 14 days, if symptom-free.

Nondiscrimination policy:

VCU is committed to providing a safe, equitable and inclusive environment for all its employees, patients and students. Discrimination or discriminatory harassment is not only unlawful, it is harmful to the well-being of our university community. Our university's core values, specifically those related to diversity and inclusion, have withstood many difficult situations and trying times, and they will not falter now. Reports of discrimination, bullying, harassment and/or stereotyping of persons of color or those impacted by COVID-19 or otherwise, will not be tolerated. Be assured that VCU will make every effort to address and prevent the occurrence of unlawful discrimination and, if necessary, take prompt and appropriate action to remedy and prevent its recurrence. Every member of our community is asked to:

- Become familiar with the university's policies on [Preventing and Responding to Discrimination](#) and [Duty to Report and Protection from Retaliation](#) in the VCU Policy Library.
- Consult with [Equity and Access Services](#) or [VCU Human Resources](#) for additional guidance on how to file a report of discrimination.
- Contact the [Office of Institutional Equity, Effectiveness and Success \(IES\)](#) on how to address and maintain a culture of inclusion.
- Encourage individuals who may need an ADA accommodation for a known or newly acquired disability, to contact the ADA/504 Coordinator in [ADA Services](#).
- Bookmark and share information on university or community agencies that offer support or services, such as [VCU's Counseling Services](#) or [Ombudsperson](#).
- Explore training and educational opportunities on diversity and inclusion at [IExcel Education](#) and through the Office of Institutional Equity, Effectiveness and Success.