

The key to success in this asynchronous on-line course is your regular work (watching my ZOOM recorded videos/complete assignments on time) and communication with the instructor. All communications between students and instructor are by mail ("INBOX") in Canvas. The "INBOX" appears on the Canvas screen and is located in the upper right of the screen.

**The session date is between 05/26/2026-06/18/2026.**

**Instructor:** Dr. Yun Yoo

**Instructor Email:** [ysy6@camden.rutgers.edu](mailto:ysy6@camden.rutgers.edu) (The best way to contact me) or INBOX at Canvas

**School:** 50, **Subject:** 640 (Math), **Course:** 221

**Index:** 01887, **Section:** A1

**Course Title:** Unified Calculus III

**Required materials:** Calculus Volume 3 by Open Stax

<https://openstax.org/details/books/calculus-volume-3>Links to an external site. (Free PDF download available)

**Course Description:** Prerequisite:50:640:122.

Solid analytic geometry, partial differentiation, multiple integrals, series, and applications.

**Topics Covered:** Chapters 2, 3, 4, 5, 6 of textbook. Note that some sections and chapter may not be covered in their entirety.

**Outcomes for MATH 221:** By the end of this course student should be able to understand:

- vectors in space,
- the equations of lines and planes in space,
- calculus of vector-valued functions,
- partial derivatives, the chain rule of several variables,
- double integrals and triple integrals,
- line integrals,
- divergence and curl and surface integrals,
- Green's Theorem, Stokes' Theorem, Divergence Theorem

**Grading:** Your final grade will be determined by the average of following:

Three tests: 45% (15 % each); 3 Written HWs: 30% (10% each); Final Exam 25%

- There will be three exams during the semester. The dates for each exam will be
  - Test 1: Tue, June 2 between 9 AM and 11:30 AM at Canvas.
  - Test 2: Tue, June 9 between 9 AM and 11:30 AM at Canvas.
  - Test 3: Tue, June 16 between 9 AM and 11:30 AM at Canvas.

**Late Submission will be 50% Reduction of Penalty and NO Credits after 2.5 hours.**

**\*\*If you are unable to take this time, then contact me ASAP to set up your own 2.5 hours on same day of exams\*\***

- There will be 3 written HWs. The date for each HW should be submitted **at Canvas**.  
Homework #1 by 11:59 PM Sunday, May 31  
Homework #2 by 11:59 PM Sunday, June 7  
Homework #3 by 11:59 PM Sunday, June 14

**Late Submission will be 50% Reduction of Penalty and NO Credits after 3 hours.**

- **Final Exam will be on Thursday, June 18 between 9 AM and 11:30 AM at Canvas.**  
**Late Submission will be 50% Reduction of Penalty and NO Credits after 3 hours.**
- Your final grade will be determined by the average of following:  
A: 94-100%  
B+: 87-93.99%      B: 80-86.99%  
C+: 76-79.99%      C: 70-75.99%  
D : 60-69.99%      F: Below 60%

**Make up Policy:** If an emergency arises and you cannot attend a test, you should contact me AS SOON AS POSSIBLE to alert me to the situation so that we can make other arrangements. DOCUMENTATION OF THE EMERGENCY IS REQUIRED.

**Free Tutoring:** Students are able to meet with tutors individually at Rutgers-Camden Learning Center (at 231 Armitage Hall) free of charge Monday through Friday. Tutors are available 9:00 am to 7:00 pm Monday through Thursday and 9:00 am to 1:00 pm on Friday. For more details: <http://learn.camden.rutgers.edu/tutoring/tutoring.html>

**Calculator Policy:** No calculator needed.

**Academic Integrity:** **Cheating and other forms of academic misconduct are serious offenses and are dealt with harshly, e.g. at the very least a 0 on an exam and a letter sent to the Office of Student Conduct.** Students are expected to be familiar with Rutgers's Academic Integrity Policy: <http://academicintegrity.rutgers.edu/policy-on-academic-integrity>

The use of generative AI tools (such as ChatGPT, DALL-E, etc.) are not permitted unless specifically announced for a particular assignment; therefore, any use of AI tools for work in this class may be considered a violation of the University's Academic Honesty policy and Student Code of Conduct, since the work is not your own. The use of unauthorized AI tools will result in a grade of zero on the assignment; a second offense will be reported to the Dean of Students.

**Rutgers University Statement on Disabilities Services:** Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation:

<https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form at <https://webapps.rutgers.edu/student-ods/forms/registration>.

**And the link:**

<https://success.camden.rutgers.edu/disability-services>

**Disclaimer:** The instructor reserves the right to make any reasonable changes to these policies. These changes will be announced at Canvas. You are responsible for keeping up with any changes in class policies