

Math 264 Section 5 Unified Calculus & Analytic Geometry IV Syllabus Spring 2023

Instructor: Dr. Cong Zhou

Office: 333 Hume Hall

Office Hours: By appointment

Class Meeting Times: 1/23 - 5/12 M W F 8:00A - 8:50A

Final Exam: Monday, May 8, 8:00A-11:00A.

Lectures and exams are all in Honors College Room 202.

COURSE CONTENTS AND GOALS: The fourth course in a four-term calculus sequence for engineering and science majors. The course will cover material in chapters 15, 16, and 17 of the textbook, in particular Functions of Several Variables, Partial Derivatives, Lagrange Multipliers, Multiple Integrals, Vector Calculus, Green's theorem, Surface Integrals, Stokes' theorem. Additionally, mathematics majors should be adequately prepared to continue their education in higher level courses where the concepts of calculus are examined in abstract form with full precision.

TEXTBOOK: Calculus Early Transcendentals w/ binder + MyMathLab by William Briggs & Lyle Cochran; 3rd edition; ISBN: 9780134995991

TUTORING:

Math Help in person

Tutoring is available Monday through Friday 9:00 am – 5:00 pm in Hume 324/326. This is on the 3rd floor of Hume Hall. No appointment is needed!

THE GRADE FORMULA: The cumulative point total for the course is 600 points - midterm tests: 100, homework: 180, final exam: 140, and class participation and attendance 180. The following point scale will be used to determine your final grade. An "I" grade will not be given without the permission of the Department of Mathematics.

<u>Grade</u>	<u>Percentage</u>
A	93 – 100%
A-	90 – 92.99%
B+	87 – 89.99%
B	83 – 86.99%
B-	80 – 82.99%

<u>Grade</u>	<u>Percentage</u>
C+	77 – 79.99%
C	70 – 76.99%
D	60 – 69.99%
F	0 – 59.99%

DATES AND TIMES FOR EXAMS:

- Exam 1 (Midterm): March 3, Friday, in class
- Final Exam: see above

The use of calculators is not permitted in any exam or quiz in this course.

You should mark these dates and times on your calendar. If you will not be able to take the exams at these times, you should drop the class and take it another semester. No makeup quizzes or exams will

be given. The lowest test grade will be replaced by the final exam percentage (if it is higher). If one requests to reschedule the test by texting, email, or oral communication, then the grade replacement policy will not be applicable for that student (i.e. the grade from every test will be counted to the total score).

ON BEING A GOOD STUDENT: A few college students do not realize that certain behaviors are not appropriate in a university class. This includes

1. arriving late or leaving early without notifying the professor ahead of time,
2. using any electronic device (phone, texting, web surfing) during the lecture,
3. reading the newspaper,
4. eating in class,
5. whispering to a classmate,

If you must leave early or come late, please let the professor know ahead of time so that arrangements can be made to minimize the impact on the lecture. Students who violate these rules will be penalized 2% of the final grade for each occurrence. *Make sure you do not come to class late, and make sure your phones are turned off and put away before the lecture starts.*

MYMATHLAB HOMEWORK:

Course ID: zhou50446

- Homework will be assigned through www.mymathlab.com. These will total as a 180-point grade. (Registration instructions for MyMathLab can be found on Blackboard.)
- Homework assignments, and individual questions, maybe attempted as many times as needed before the due date, with only the best score counting toward the student's grade.
- Homework must be submitted by 11:59 pm on the due date to get full credit. Any late online homework assignments may be submitted by 11:59 pm on Sunday, May 7 for half-credit.
- When working an assignment after the due date, only work problems that you have previously gotten wrong OR not attempted. Working a problem you got correct prior to the due date will actually lower your score.
- In recent years, students have gotten used to looking up solutions to homework on the internet, or copying from their classmates. However, *it is impossible to learn the material in a 200-level math course without doing a large number of homework problems*. It is in your interest to work through the problems without looking up solutions. In my experience, a student's final grade in this course is directly correlated to how many problems they solve on their own. To emphasize this point: *if you do not do all the problems, do not expect a good final grade*. Math 264 is much more problem-solving than any previous math course you may have taken, so grades in earlier courses are not a good predictor of your grade in this course. *You cannot learn the material only by attending class.*

LAST DAY TO REGISTER OR ADD CLASSES (REFUND PERIOD ENDS): Friday, February 3
WITHDRAWAL DEADLINE FOR SPRING 2023 SEMESTER: Friday, March 10.

ACADEMIC HONESTY: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an illegal calculator/smart phone on tests or quizzes shall all be offenses subject to appropriate penalties.