

Syllabus of Math 2310 Calculus III

BASICS	<p>Instructor: You Qi Course Time: MW 2:00–3:15pm, Office: Kerchoff Hall 305 Office Hour: TT, 10:30–11:30 am TA: Wojciech Tralle Discussion Session: Thu 8:00–8:50am TA Office Hour: Fridays, 4:00–5:00pm Course webpage: http://people.virginia.edu/~yq2dw/spring20202310.html.</p> <p>Tel: (434)924-4936 Venue: Monroe Hall 116 E-mail: yq2dw@virginia.edu Email: wt4fw@virginia.edu Venue: Rouss Hall 403 Kerchoff Hall 127</p>
DATES	<p>Last day to drop class: Monday, January 27. Last day to withdraw from class: Monday, March 16. Midterm Date and Venue: Wednesday, Mar 4 (in class). Final Date: 2:00–5:00pm May 7, 2020.</p>
TEXTBOOK	<p>The text is James Stewart’s Multivariable Calculus, eighth edition, Cengage Learning. Note: earlier editions of this text differ in some sections and most exercises.</p>
PREREQUISITES	<p>After Cal I, II or equivalent courses. May not be taken after Cal I, II.</p>
CONTENT	<p>In Math 2310 we study the vector geometry of 3 dimensions, scalar and vector functions of 1 and 2 variables, partial derivatives, directional derivatives, multiple integrals, cylindrical and spherical coordinates, parameterized curves and surfaces, gradient, divergence, curl, line and surface integrals, and the theorems of Gauss, Green, and Stokes. The contents will cover Chapters 12–16 of the textbook.</p>
ADVICE	<p>You are required to attend all the lectures. Since our lectures may differ from the text book, and the schedule might change in occasion. As a general principle for taking math courses, <i>take twice the amount of time of lectures to review what you learned in class, and do a lot of exercises!</i> What we hope to achieve is not only the knowledge but also the ability to think logically and independently. Feel free to let me know if some points are unclear to you and ask for more explanations. Any suggestions about the teaching will be warmly welcomed.</p> <p>In case you have a conflict with any of the exams, please contact me as soon as possible and at least two weeks before the exam. I will schedule a make up exam for you in my office. In the case of a fire alarm or a similar emergency evacuation during either of the midterms or the final exam, leave your exams in the room, face down, before evacuating. Under no circumstances should you take the exam with you.</p>
ASSIGNMENTS	<p>Homeworks will be assigned each Wednesday, and due the Wednesday a week after. No late homeworks will be accepted. Discussing the problems with other students is encouraged, but each student must write solutions on his/her own. Quizzes and exams will have similar problems as the examples we do in class and exercises you will do after class. As another general principle in math, <i>practice makes perfect</i>.</p>
HELP	<p>Should you need it, the Math Collaborative Learning Center “MCLC”, located on the 2nd floor of Clemons Library, should open Tuesday, January 21st. Most MCLC sessions for 2000- and 3000-level courses are held during evening hours (7:00-8:15, 8:15-9:30), Sunday through Thursday.</p>

GRADING

Your final grade will be based on weekly assignments, quizzes, a midterm exam and a final exam. We will de-emphasize counting homeworks towards your final grade, since this is the place you are allowed to make mistakes, and get them clarified.

- Homeworks, 10 %
- Quizzes, 20 %
- Mid-term, 30 %
- Final, 40 %

ACADEMIC HONESTY

Honor is a core value of the University of Virginia, an integral part of its educational mission, and the foundation of the student experience. As such, the Honor System applies both in the classroom and beyond.

An Honor Offense is defined as any Act of Lying, Cheating, or Stealing, where such act was committed with Knowledge, and is Significant.

Students found guilty of an Honor offense are permanently dismissed from the University, and those who have graduated from the University are subject to degree revocation by the General Faculty.