

Vector Calculus (MAP 4153)

Syllabus, Fall 2024

M,W,F 1:20–2:10 102 Love

Professor: Prof. Richard Bertram
Office Hour: M,F 10:00–11:00, W 11:00–12:00 or by appointment
Office: 114 Love
E-mail: rbertram@fsu.edu

Prerequisite: MAC2313 (Calculus III) with a grade of C- or better.

Course Website: www.math.fsu.edu/~bertram

Textbook: *Div, Grad, Curl and All That*, 4th edition, by H. M. Schey.

Course Topics: Vector functions, electrostatics, surface integrals, the divergence, line integrals, the curl, the gradient, suffix notation and tensors.

Homework: I will regularly assign homework. It will not be graded, but doing it is required for learning the course material.

Quizzes: There will be a quiz on the Friday of most weeks. This will be short, and taken at the beginning of class.

Exams: There will be two unit tests during the semester and a 2–hr final exam, scheduled for Wednesday of final exam week (Dec. 11) at 12:30–2:30 PM. Roughly half of the final exam will cover material since the last unit test, and the other half will cover earlier material (i.e., it will be cumulative).

Grading: The final grade is based 20% from each of the unit tests, 20% from the quiz average, and 40% from the final exam. The final letter grade is determined according to the following scale:

90.1–100% = A ,	88–90% = A⁻	
84.1–87.9% = B⁺ ,	80.1–84% = B ,	78–80% = B⁻
74.1–77.9% = C⁺ ,	68.1–74% = C ,	66.1–68% = C⁻
58–66% = D ,	0–57.9% = F	

Attendance/Makeup Policy: I will not take attendance. If you miss a class, you are still responsible for learning the material that you missed, and for doing the assigned homework. If you miss a test or quiz because of an unexcused absence, you will receive a 0 on that test or quiz. If you miss a test or quiz because of an excused absence, I will use your score on the final exam as your score on that test or quiz. For an absence to be excused, you must notify me in advance and explain the reason for the absence.

Academic Honor Policy: The Florida State University Academic Honor Policy can be found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>. Cheating on a quiz or test will result in a grade of 0 for that quiz or test, and further actions may be taken in accordance with the FSU policy.

Students with Disabilities: Students with disabilities needing academic accommodations should register with and provide documentation to the Student Disability Resource Center (SDRC) and then bring a letter to me from SDRC indicating the academic accommodations that are required. This should be done within the first week of class.