

Math 4013: Calculus of Several Variables - Summer 2015
Section 001 MTWR 09:00-10:15 in MS 422

Instructor: Adam Estrup

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Office: MS 421 (Mathematical Sciences Building)

Office Hours: Immediately following class or by appointment

Course Webpage (D2L): <https://oc.okstate.edu>

Textbook: Marsden, Jerrold E. & Tromba, Anthony Vector Calculus, sixth edition, W. H. Freeman and Company, 2012.

Web Supplement: www.whfreeman.com/marsdenvc6e

Read the book! You should consider the textbook to be your primary source for learning the material. As such, you should read the relevant material *before* the corresponding lecture. The lectures, therefore, should be viewed as chances for you to confirm and strengthen your understanding of the material. It is an excellent textbook, containing many more examples than we will have time to discuss in class, helpful discussion, and clear illustrations. *Read it!*

We will cover §1.1-1.5, 2.1-2.6, 3.1, 4.1-4.4, 5.1-5.5, 6.1-6.2, 7.1-7.6, & 8.1-8.4. Time permitting, we will choose from the optional §3.2-3.4, 6.3-6.4, & 7.7.

Syllabus Attachment: Read the OSU syllabus attachment on the course webpage (D2L). Please contact me privately during the first week of the course if you need accommodations as a result of a disability.

Homework: *Do the homework!* Solving problems is central to learning mathematics, making the homework an essential part of this course. Homework exercises from the textbook will be assigned weekly, though they will not be collected. I strongly encourage you to discuss the homework problems and your solutions with me and your classmates.

Quizzes & Exams: There will be five quizzes, two midterm exams, and a final exam. There will be a quiz every Monday except the first day of class and those following an exam. The exams will be on Thursdays: 25 June, 16 July, and 30 July. Calculators and other electronic devices will not be allowed on the quizzes or exams.

Grading: The quizzes will count for 30% of your final grade, the midterm exams for 40%, and the final exam for 30%. Earning 90% guarantees an A for the course, 80% a B, 70% a C, and 60% a D.

Attendance & Absences: You are responsible for everything discussed or announced in class. I will offer reasonable accommodation in the event that you miss a major assessment activity for a *valid* and *documented* reason. The documentation must be provided in advance (unless completely impossible) and give a verifiable reason for your absence (e.g., a doctor's note with contact information, proof of involvement in an OSU-sponsored activity,

etc.) from an appropriate source. You should not assume you will be eligible for a make-up assessment unless I have explicitly approved your request.

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript (F!), and being suspended from the University. You have the right to appeal the charge. Contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627, <http://academicintegrity.okstate.edu>