

Green Sheet

Calculus III (Math 32), Fall 2012, San Jose State University
TuTh 12–1:15pm (MH 323) and 1:30-2:45pm (MH 320)

Instructor: Plamen Koev

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Office hours: TuTh 3:30-5pm

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Course web page: <http://www.math.sjsu.edu/~koev>

Textbook: Multivariable Calculus: Early Transcendentals, James Stewart, latest edition.

Catalog description: Functions of more than one variable, partial derivatives, multiple integrals and vector calculus. Graphical, algebraic, and numerical methods of solving problems.

Prerequisite: Math 31 with a grade of C- or better.

Course objectives: To learn 2- and 3- dimensional vector algebra and analytic geometry. To understand and apply the basic ideas of multivariable calculus: functions, limits and continuity, differentiation and integration. To master concepts and techniques of multivariable calculus and to use these methods in solving applied problems.

Outcome assessment: Three 50 minute exams on September 18, October 16, and November 13, worth 20% each. A comprehensive final exam worth 40%. You must plan to take the exams at their scheduled times. Exceptions will only be granted in exceptional and documented circumstances.

Homework: Homework will be assigned and graded. If you get a score higher than 60% on the homework, you get a "plus" added to your grade (e.g., B+ becomes A-, etc.).

Expected work: You are expected to spend, on average, two hours worth of work for every hour of instruction.

Curve: 90/80/70/60 for A/B/C/D (+/-: top/bottom 3% of range).

Topics: Ch. 10, sections 1,3; Ch. 12, sections 1-6; Ch. 13, sections 1-4, Ch. 14, sections 1-7, Ch. 15, sections 1-8, approximately 40 hours in total. Exams, preparation, 5 hours.

Cheating: Don't! Collaboration on homework is OK, but you must turn in your own writeup.

Academic integrity. Your commitment to learning (as shown by your enrollment at SJSU) and the university's Academic Integrity Policy require you to be honest in all of your academic course work. Faculty are required to report all infractions to the Office of Judicial Affairs. (See: <http://www2.sjsu.edu/senate/S04-12.htm>)

Disabilities. If you need course adaptations or accommodations due to a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities register with the Disability Resources Center to establish a record of their disability.

Tutoring. Peer tutoring in calculus is available to all SJSU students, free of charge, at the Learning Assistance Resource Center, in Room 600 of the Student Services Center. See or call x4-2587 for more information.