

## MATH 250: Calculus III, Fall 2013

Fall 2013    Class number 15299    MW 12:30–1:45pm    Room CR5123

**Prof. Vladislav Panferov**

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Office hours: (tentative, subject to change) Mon, Wed 10:00-11:00am. Other times are available by appointment (stop by my office, email me, or ask after class).

**Course description:** Calculus of multiple variables; topics include vectors in two and three dimensions, analytic geometry of three dimensions, parametric curves, functions of several variables, partial derivatives, the gradient, multivariable optimization problems, multiple integration with change of variables across different coordinate systems, line integrals, and elements of vector calculus.

**MATH 250 WEBPAGE**    [www.csun.edu/~panferov/math250/](http://www.csun.edu/~panferov/math250/)

**Text:** James Stewart, Calculus, 7th edition. We plan to cover most of Chapters 12-16 in the textbook. Other books, for reference only: Thomas' Calculus, 12th ed. Addison-Wesley, 2010, or earlier editions; Protter/Morrey, College Calculus with Analytic Geometry, 2nd ed. Addison-Wesley, 1970; Protter/Morrey, Intermediate Calculus, 2nd ed. Springer, 1985.

**Homework/Quizzes:** There is a Homework Set for each section in the text, and homework exercises will be assigned in class and/or announced on the webpage. Homework assignments will not be collected or graded, however selected problems from the homework will be included in quizzes (15 minutes, held in the beginning of class and announced in advance). Answers/solutions to selected problems will be made available on the webpage.

**Exams:** There will be two in-class midterms, tentatively scheduled for **October 2** and **November 13** (Wednesdays) – possible changes in schedule will be announced in class. There will be a comprehensive final exam on **Monday, December 16, 12:45-2:45pm in CR 5123**. All tests/exams are closed books/notes. (See below for the calculator policy.)

**Make-up policy:** Make-up exams are not normally given.

**Electronic devices:** Only a basic scientific calculator (example: TI-30XIIS) is allowed on all quizzes, tests and exams. Graphing calculators and other electronic devices, including cell phones, are not permitted. Cell phones must be **off** (not on silent or airplane mode!) during class time.

**Grading:** Your grade will be computed from the weighted average computes as follows:

quizzes	20%
2 in-class exams	20% each
final exam	40%

The following is a tentative scale for translating the averages into letter grades: 90-100% A; 80-89% B, 70-79% C, 60-69% D, 0-60% F. The indicated ranges include “+” and “-” grades. The cutoff numbers for the grades may be modified (in the direction of decreasing only!) at the end of the term, based on the overall performance of the class.

**Attendance and participation** – are required for successful performance in the class. A roster will not be taken in class, but I expect to see you in class on a regular basis and participate by asking and answering questions.