

## MATH 250: Calculus III, Spring 2014

Spring 2014    Class number 15792    MW 2:00–3:15pm    Room CR5119

### Prof. Vladislav Panferov

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Office hours: (tentative, subject to change) Tue, Thu 12:00-2:00pm, or 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: Marsden/Weinstein, Calculus III, Springer-Verlag 1985, available online at <http://www.cds.caltech.edu/~marsden/volume/Calculus/>; 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 from the Textbook, or through Moodle/WebWork. Problems assigned from the textbook will not be collected or graded, however selected problems from the list 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 **March 5** and **April 16** (Wednesdays) – possible changes in schedule will be announced in class. There will be a comprehensive final exam on **Monday, May 12, 3:00-5:00pm in CR 5119**. 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	25%
2 in-class exams	20% each
final exam	35%

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.