

MATH 250: Calculus III, Fall 2015

Fall 2015 Class number 16118 Mon-Wed 12:30–1:45pm Room CR5117

Prof. Vladislav Panferov

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Office hours: (tentative: check webpage for updates) Mon 11-12noon, Tue 12-2pm, Fri 11-12noon, or by appointment (email).

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/

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.

Homework/Quizzes: Homework will be assigned weekly in the form of a list of problems from the textbook, or problems posted on Moodle/WebWork (more information on that to follow). Problems assigned from the textbook will not be collected or graded, however selected problems from the list will be included in quizzes (held during regular class time). Answers/solutions to selected problems will be made available on the webpage.

Exams: There will be two in-class midterms, tentatively scheduled for **September 28** and **November 2** (Mondays) – possible changes in schedule will be announced in class. There will be a comprehensive final exam on **Monday, December 9, 12:45-2:45pm in CR 5117**. All tests/exams are closed books/notes. (See below for the calculator policy.)

Make-up policy: Make-up exams/quizzes are not normally given. Exceptions may be granted in case of illness (medical note required) or circumstances beyond the ordinary. If you believe your circumstances warrant a make-up you need to contact me to make arrangements as soon as possible.

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** during class time.

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

quizzes/homework	25%
2 in-class exams	20% each
final exam	35%

The following is a guideline scale for translating percentages into grades: 90-100% A; 80-89% B, 70-79% C, 60-69% D, 0-59% F ('plus' and 'minus' grades are included in each range). In practice the cutoff numbers for the grades may be lowered, typically by a few percentage points, depending

on the overall performance of the class. This is not to be confused with “grading on a curve”, (you may consult http://en.wikipedia.org/wiki/Grading_on_a_curve on that topic, however that procedure will not be used for assigning grades).

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.