

**MATH 350: Advanced Calculus I, Fall 2010**

Class Number: 15541; Schedule: MW 7:00pm–8:15pm in CR5114.

Instructor: Dr. Vladislav Panferov, office SN 129, phone (818)677-2326

Email: [vladislav.panferov@csun.edu](mailto:vladislav.panferov@csun.edu)

Course webpage: [www.csun.edu/~panferov/math350/](http://www.csun.edu/~panferov/math350/)

Office hours: (tentative: check webpage for updates) Mon 1-3pm, Tue 12:15-1pm, Wed 12:15-1pm, Thu 9-10am, or by appointment (email).

**Course description:** “Single-variable calculus with proofs”. The goal of the course is to provide a mathematically rigorous base for the fundamental facts of the calculus of single variable. Topics include the real number system, continuous functions, differentiation, and Riemann integration for functions of one real variable.

**Text:** J. Kirkwood, *An Introduction to Analysis*, Waveland Press, 2002

**Recommended references:** M. Rosenlicht, *Introduction to Analysis*, Dover, 1985; M. H. Protter, C. B. Morrey, *A First Course in Real Analysis*, Springer 1991.

**Prerequisite:** MATH 320

**Grading:** 25% quizzes, 40% two midterm tests, 35% final exam (cumulative). The percentages are generally translated into letter grades using the following scale: 90-100% A; 80-89% B, 70-79% C, 60-69% D, 0-59% F. There will be no “grading on the curve”, however the cutoff numbers for the grades may be lowered, at instructor’s discretion, based on the overall performance of the class.

**Homework:** Homework is the course’s most essential component. You are expected to solve a large number of problems each week, the list of which will be announced in class or on the course webpage. Homework problems will not be graded; however, selected problems will be included in quizzes.

**Tests/exams:** There will be two in-class midterm exams, tentatively scheduled for October 6 and November 24 (Wednesdays). This schedule may be adjusted, and the changes will be announced in class and on the course webpage. All exams will be closed books/notes.

**Make-ups:** There will be no make-ups for tests or quizzes, unless in truly exceptional cases, for a valid and well-documented reason. In such case arrangements for an alternate date and time should be made prior to the scheduled test date, if possible.

**Final exam:** On Monday, December 13, 2010, 08:00pm - 10:00pm in CR 5114.

**Calculators:** Calculators and other electronic devices are not allowed on the tests/quizzes, or the final exam.