Instructor: Slobodan Simić

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Course web page: http://www.math.sjsu.edu/~simic/Fall09/Math132/132.html


Prerequisite: Math 32 and Math 129A (with a grade of C– or better), or instructor consent.

Office hours: TuTh 10:00–10:30, 11:45–1:00 & 1:45-2:30, and by appointment

Homework: Weekly. Late homework policy: one class late – 50% penalty, two classes late – 75% penalty, three classes late – no credit. Assignments and solutions will be posted on the web.

Tests: Two midterms and a take-home final exam. The exam schedule:

   Midterm 1: October 1
   Midterm 2: November 5
   Final exam: take-home (TBD)

There will be no make-up exams.

Grading policy: Homework 20%, Midterms 40%, Final 40% + extra credit (= XC problems + participation).
Course objectives: To master the differential and integral calculus of functions of several (i.e., two or more, but finitely many) variables (Chapters 1–5). The culmination of the course will be the Inverse and Implicit Function Theorems, the development of Lebesgue integral and the Change of Variables Theorem. If time permits, we will also discuss the calculus of differential forms with applications to physics.

The course will be mathematically rigorous. For reasons of notational simplicity and since there is usually no loss in doing so, most proofs will be done in dimension two.

Participation: I encourage and greatly appreciate students’ class participation and involvement. During (as well as outside of) class please feel free to stop me at any time and ask questions. You can earn up to five extra points for participation.

Feedback: I value constructive feedback, which you can provide in several ways: via the anonymous feedback form on the class web page, by email, or in person.

Academic integrity: From the Office of Student Conduct and Ethical Development: Your own commitment to learning, as evidenced by your enrollment at San José State University, and the University’s Academic Integrity Policy, require you to be honest in all your academic course work. Faculty are required to report all infractions to the Office of Student Conduct and Ethical Development. The policy on academic integrity can be found at http://sa.sjsu.edu/student_conduct.

Campus policy in compliance with the Americans with Disabilities Act: If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with your instructors as soon as possible, or see them during office hours. Presidential Directive 97-03 requires that students with disabilities register with DRC to establish a record of their disability.

Class attendance: According to University policy F69-24, Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.

For more details, see the course web page.