Instructor: Slobodan Simić
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Web: http://www.math.sjsu.edu/~simic/Spring08/Math234/234.html


Other books we will use: (not required)


Prerequisite: Math 134 (with a grade of "C−" or better) or instructor consent.

Office hours: MW 1:30-4 (subject to change)

Homework: Weekly homework assignments will be collected and graded.

It is absolutely essential that you work on and turn in every homework exercise. My late homework policy is: one class late – 50% penalty, two classes late – no credit.

Tests: There will be one take-home midterm and a final exam. Each student will also write a short research paper and present it in front of the class.

Midterm will be assigned on March 12, 2008
Final exam will be assigned on May 12, 2008

Grading policy: Homework 20%, Midterm 20%, Paper 20%, Final 40%
**Course outline:** The backbone of the course will be the *Course* part of the main textbook (Chapters 2-8) and a few chapters from the *Panorama* part (especially Chapters 10, 12, and 13, and perhaps others, time permitting). These topics will be interwoven with various examples from the other sources listed above.

**Main goals:** To understand the behavior of some fundamental examples of dynamical systems (both continuous and discrete) with complicated (= “chaotic”) behavior coming both from applications and from mathematics, and to develop some basic geometric, topological and numerical methods for their analysis.

**Participation:** During class please feel free to stop me at any time and ask questions. I encourage and greatly appreciate students’ participation.

**Feedback:** I appreciate constructive feedback, which you can give me 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](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.