Instructor: Slobodan Simić
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Course web page: http://www.math.sjsu.edu/simic/Spring07/CAMCOS07/camcos07.html

Textbook: There will be no required course textbook. We may use some sections from M. W. Hirsch, S. Smale, and R. L. Devaney, *Differential Equations, Dynamical Systems, and an Introduction to Chaos*, Elsevier/Academic Press, 2nd edition, 2004, mostly on discrete dynamical systems. We will start by looking at a paper of Scargle and Young on the so called Dripping Handrail Model (DHR) in accretion systems and the final report of my CAMCOS 2006 team (see the class web page). I will post handouts that you will be expected to read, study, and understand. Additionally, as this is a graduate level research course, you are expected to spend a significant amount of time at the library or on-line exploring questions and topics relevant to the course.

Prerequisite: Instructor’s consent.

Office hours: By appointment.

Grading: The course is graded on a CR/NC basis. All students applied for permission to take this research course, and so are expected to take a serious interest in the course and perform at an A level in order to receive credit.
Course information: This is a team project. All students are therefore ex-
pected to give full and equal participation. The first couple of weeks will
be just like an ordinary class, where I will lecture on dynamical systems
and the DHR. Dr. Jeff Scargle, our NASA-Ames liaison, will meet with us
and teach us some astronomy and the DHR model. After that, you are ex-
pected to continue meeting regularly as a team, do research independently,
and report your findings (as well as questions). Meetings with both me
and the liaison will be scheduled throughout the semester.

Project reports and updates will be integral to the process. You will need
to keep me, the CAMCOS director (Prof. Tim Hsu) and the liaison well ap-
prised of the progress. You will give an oral presentation to the university
community and the liaison at the end of the semester. You will present a
final written report to the mathematics department and the liaison before
the end of the semester.

University Policies

Academic integrity statement: From Office of Judicial Affairs: ”Your own
commitment to learning, as evidenced by your enrollment at San Jose State
University, and the University’s Academic Integrity Policy requires you to
be honest in all your academic course work. Faculty are required to report
all infractions to the Office of Judicial Affairs. The policy on academic
integrity can be found at http://www2.sjsu.edu/senate/S04-12.pdf.”

Policy on disabilities: 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 me as soon
as possible, or see me during office hours. Presidential Directive 97-03
requires that students with disabilities register with DRC to establish a
record of their disability.

For more details, see the course web page.