

Professor Carmen Chicone
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Course Web Page: <http://www.math.missouri.edu/~carmen/classes.html>
Office Hours: MF 2:00 P.M. and by appointment.

MATH 4560: Nonlinear Dynamics, Chaos, and Fractals

Text:
Nonlinear Dynamics and Chaos, by Steven Strogatz

SYLLABUS

We will cover topics from all chapters of the book. But, we will also cover some topics that are not in the book. Thus, *it is important to come to class*.

Your grade will be based on two hour exams, a comprehensive take-home final, and homework projects. Exam I will be given after we finish Ch. 5, Exam II after Ch. 8, and the final exam will be due on Wednesday, 16 December at 12:00 Noon, it will be a take-home exam. The exact dates for the hour exam will be announced during class at least one week in advance. Homework assignments will be given periodically during the semester. These assignments and their due dates will be posted on the course web page. Your grade will be computed using the exams (100 each hour exam and 150 for the final) and at least 100 points in homework assignments.

Feedback: I sincerely want every member of the class to learn as much as possible about the wonderful subject of nonlinear dynamics. I welcome constructive criticism of the way the course is conducted. Your evaluations of the course will be requested near the end of the semester.

If you need accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please inform me immediately. Please see me privately after class, or at my office. To request academic accommodations (for example, a note taker), students must also register with Disability Services (<http://web.missouri.edu/~accesscm>), AO38 Brady Commons, 882-4696 or 882-8054 TTY. It is the campus office responsible for reviewing documentation provided by students requesting academic accommodations, and for accommodations planning in cooperation with students and instructors, as needed and consistent with course requirements. Another resource, MU's Adaptive Computing Technology Center (<http://iatservices.missouri.edu/adaptive>), 884-2828, is available to provide computing assistance to students with disabilities. For more information about the rights of people with disabilities, please see ada.missouri.edu or call 884-7278.

Academic Honesty: Academic honesty is fundamental to the activities and principles of a University. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. When in doubt about plagiarism or collaboration, consult the course instructor. The academic community regards academic dishonesty as an extremely serious matter, with serious consequences that range from probation to expulsion.

If at any time you have questions about this policy, please ask.

Complaints: If you have communication (or other problems) with your instructor, you can report them to Professor Ian Aberbach (Director of Undergraduate Studies) either by phone (882-4898) or by e-mail (aberbachI@missouri.edu).