Syllabus for Math 614
Dynamical Systems and Chaos
Spring 2008

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Class hours: MWF 10:20-11:10 BLOC 624

MATH 614 web page: The web page of the course is
http://www.math.tamu.edu/~nekrash/teaching/08S/MATH614.html

Course Description. Credit 3. The course is an introduction to various branches of dynamical systems with emphasis on chaos theory. The topics include: discrete maps, continuous flows, dynamical systems, Poincare maps, symbolic dynamics, chaos, strange attractors, fractals, computer simulation of dynamical systems.

Text.


Grading. Your grade will be determined by homework and a project weighted as 40% and 60%, respectively. I may curve any grade and will then compute the course grade by the following rule: $A$ for at least 90%, $B$ for at least 80%, $C$ for at least 70%, $D$ for at least 60% and $F$ for less than 60%.

Make-up policy: Make-ups for missed exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the instructor before an exam is missed. Consistent with University Student Rules, students are required to notify an instructor by the end of the next working day after missing an exam. Otherwise, they forfeit their rights to a make-up.

Late Homeworks will not be accepted.

Scholastic dishonesty: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments,
either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see University Student Rules.

Remember the Aggie Code of Honor: “An Aggie does not lie, cheat, or steal or tolerate those who do.”

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**Americans with Disabilities Act (ADA) Policy Statement:** The following ADA Policy Statement (part of the Policy on Individual Disabling Conditions) was submitted to the University Curriculum Committee by the Department of Student Life. The policy statement was forwarded to the Faculty Senate for information.

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B116 of Cain Hall or call 862-4570.