SYLLABUS MAT351: DYNAMICS

1. ABOUT THIS COURSE

This course is an introduction to dynamics. It will discuss how chaos arises and how well it is organised (most of the time): Not chaotic at all!

2. TEXT

*Nonlinear Dynamics and Chaos*, by Steven H. Strogatz.

Generally speaking, you should avoid the Campus Bookstore: often you will find what you need for substantial lower prices elsewhere.

3. HOMEWORK

Each week there will be 5 homework questions assigned. They will be collected the next Tuesday.

4. EXAMINATIONS AND GRADING

There will be two Midterm held during class, and the ever-popular final exam. The dates and times are listed below; the locations will be announced later. Success on the exams will require correct and efficient solutions to the more difficult of the homework problems.

<table>
<thead>
<tr>
<th>What</th>
<th>When</th>
<th>% of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 1</td>
<td>TBA</td>
<td>25%</td>
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<tr>
<td>Midterm 2</td>
<td>TBA</td>
<td>25%</td>
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<tr>
<td>Final Exam</td>
<td>Tuesday, May 8</td>
<td>35%</td>
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<tr>
<td></td>
<td>2:15–4:45 pm</td>
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<tr>
<td>Homework</td>
<td>weekly</td>
<td>15%</td>
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Make sure that you can attend the exams at the scheduled times; **make-ups will not be given**. Resolve any conflicts *now*. If one midterm exam is missed because of a serious (documented) illness or emergency, the semester grade will be determined based on the balance of the work in the course.
5. Office Hours

The office hours are listed on the Office Hours section on the mat 351 webpage

http://www.math.sunysb.edu/marco/Marco Martens Files/MAT 351/mat 351.html

You can also make appointments at other times.

6. Disabilities

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at

http://studentaffairs.stonybrook.edu/dss/

or (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website:

http://www.stonybrook.edu/ehs/fire/disabilities.shtml

7. Academic Integrity

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person’s work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at

http://www.stonybrook.edu/uaa/academicjudiciary/
8. Critical Incident Management

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students’ ability to learn.