Ph 106b Midterm Exam Due: Thursday 14 February 2008, 4pm

- This exam is to be taken in one continuous time interval not to exceed **3** hours, beginning when you first open the exam. (You may take one 15 minute break during the exam, which does not count as part of the 3 hours.)
- You may consult the textbooks *Chaos in Dynamical Systems* by Ott and Classical Mechanics by Goldstein, the distributed lecture notes, your own lecture notes, and the problem sets and solutions. If you wish, you may use a calculator, computer, or integral table for doing calculations. However, this probably won't be necessary. No other materials or persons are to be consulted.
- There are three problems, each with multiple parts, and 100 possible points; the value of each problem is indicated. You are to work all of the problems.
- The completed exam is to be deposited in the box outside 448 Lauritsen, no later than 4:00 pm on Thursday 14 February 2008. No late exams will be accepted.
- Good luck!