Physics 200B   **Mechanics II**   **Winter 2013**

Instructor:	P.H. Diamond SERF Room 436, x4-4025 phd@physics.ucsd.edu Office Hours: Open, but best check by phone or email
Teaching Assistant:	Kit Lee SERF Room 463A wklee@ucsd.edu
Course Assistant:	Stephanie Conover SERF Room 324, x4-7165 sconover@ucsd.edu
Lectures:	Lectures: Tu Thurs 11:00 am – 12:20 pm Mayer Hall Annex 2623
Problem Session:	Problem Sessions will be held on Wednesday nights from 6:30-8:20 pm in Mayer Hall, Room 4322. **First Problem Session will be held Wednesday, January 16, 2013.** Note: Problem Sessions are an essential element of this course. Attendance and participation is **Mandatory**. You will be graded on your Problem Session performance!
Grades:	Midterm: 30%; TBA – 5th or 6th week Final: 50% – Thursday, March 21, 2013, 11:30 am – 2:29 PM; Location: TBA Problem Sessions: 20% Note: Due to class size, homework will *not* be collected and graded. However, homework *will* be discussed in detail in problem sessions. The exams will be strongly correlated with the assigned homework. So – SKIP PROBLEM SETS AT YOUR PERIL!
Content:	This course presumes an understanding of Lagrangian mechanics at the graduate level. It will focus on Hamiltonian mechanics, continuum physics (strings, membranes, fluids, sound, elasticity), statistical dynamics, and simple nonlinear dynamics.