Physics 210b  Nonequilibrium Statistical Mechanics  Fall 2019

Syllabus

Instructor: P. H. Diamond
Office location: SERF 436
Email: diamondph@gmail.com (best to use this!); pdiamond@ucsd.edu
Phone: (858) 534-4025
Office Hours: open, but best to call or email first

Teaching Assistant: Tapan Goel
Email: tgoel@ucsd.edu
Office Hours: Wednesdays, 2:00-3:00pm, SERF 311

Course Assistant: Peggy McCoy
Email: mmccoy@ucsd.edu
Phone: (858) 534-4478

Lectures: M W 11:00am-12:20pm  SERF 329

Problem Sessions: W 6:30-8:00 pm  SERF 329

Problem Sessions will be used for discussion of homework problems and for make-up lectures. There will be roughly 7 problem sessions during the course. Attendance is required.

First Problem Session will be announced.

Course Website: https://courses.physics.ucsd.edu/2019/Fall/physics210b

Grades: Final Grades:
• 40% Problem Sets
• 30% Project (due 10th week)
• 30% Final Test (last problem session time slot)
  (Test will examine basic knowledge of fundamental course material and not require solution of tricky problems.)

Topics: See Topics page. 210b is a basic treatment of non-equilibrium statistical mechanics at a graduate level. Emphasis is on transport, random processes, kinetic theory, and dynamics of phase transitions.