

Syllabus

Instructor Patrick H. Diamond
Email: diamondph@gmail.com (best to use); pdiamond@ucsd.edu
Phone: (858) 534-4025
Office location: Structural and Engineering Research Facility (SERF),
Room 436 (4th Floor, south side)
Office hours: Open, but best to email or call first
On the Web: <https://fapp.ucsd.edu/index.html>

Class Schedule

Lectures:	MW 11 a.m.–12:30 p.m. SERF 329	In person (if needed, by Zoom)
Problem Sessions:	TBD Remote/online on Zoom	

Texts and Notes

- No required text
- References listed on Texts & References list

Topics

See Topics list. PHYS 210B is a basic treatment of nonequilibrium statistical mechanics at a graduate level. Emphasis is on transport, random processes, kinetic theory, and aspects of the dynamics of pattern formation.

Grades

Final Grades:

- 30% Problem Sets
- 50% Final Exam (Oral — 30 min)
- 20% Participation

N.B.:

- Problem Sets will be a mix of long and short problems. Solutions may be hand-written, but must be legible and well organized.
- Final Oral will stress the basics. It is a test of your power, not your energy.

PHYS 210B: Nonequilibrium Statistical Mechanics

Fall 2022

Course Websites

Lecture notes and other course materials:

<https://canvas.ucsd.edu/courses/41098>

Recorded lectures:

https://mediaspace.ucsd.edu/playlist/dedicated/232710043/1_ivosmfv7/

Technical Assistance: Should you need technical help with Canvas, please alert your instructor and send an email to servicedesk@ucsd.edu.

Zoom Meeting Information

Lectures:

Meeting ID: 943 8814 9149

<https://ucsd.zoom.us/j/94388149149>

Problem Sessions:

TBA