

PHYS 6327 Statistical Mechanics

Class day and time: MWF, 11:00am-noon

Problem section: W, noon-1:00pm

First class: January, 14th, Monday

Last class: April, 28th, Monday

Location: SR1 121

Spring Break: March 17th-22nd

Course content: kinetic theory, thermodynamics revisited, canonical and grand canonical ensembles, quantum statistics, interacting systems, and introduction to non-equilibrium statistical mechanics.

Lecturer: Margaret Shun Cheung, Ph.D.

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Text book: Lecture materials are based on Statistical Mechanics by Kerson Huang. Homework problems are chosen from Statistical Mechanics by R. K. Pathria.

Grade assignment: A 30-minute quiz every other Monday (30%); Weekly homework (15%); One midterm (March 12th) (25%); One final exam 30% (or 100% for those taken as qualification exams).

Office hours: By appointments only. *No walk-ins.*

On-line resources for UHCL students: please email mscheung@uh.edu for logins and passwords to access course materials archived at vnet.uh.edu.

Academic Honesty Policy:

Students are expected to follow the Academic Honesty Policy of the University of Houston (published on the web and the student handbook). Violation of academic honesty codes WILL have serious consequences and actions will be taken swiftly by the lecturer.

Jan. 12th, 2008