

PHYS 329. STATISTICAL PHYSICS WITH BIOPHYSICAL APPLICATIONS.

Credits: 3

Offered by: Physics (Faculty of Science)

This course is not offered this catalogue year.

Description

This interdisciplinary course introduces Statistical Physics illustrated with modern biophysical applications. Principles covered include partition functions, Boltzmann distribution, bosons, fermions, Bose Einstein condensates, Fermi gases, chemical potential, thermodynamical forces, biochemical kinetics, and an introduction to noise and phase transitions in biology.

- Prerequisite(s): [BIOL 219 and (PHYS 253 or PHYS 232 or CHEM 345)] or permission of the instructor
- Restriction(s): Not opened to students having taken PHYS 333, PHYS 362, or CHEM 365

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