

PHY313: Thermal Physics

Basic principles of thermal and statistical physics; laws of thermodynamics; equilibrium and irreversibility; cyclic processes; ensembles; thermodynamic potentials; canonical distribution; equipartition theorem; Maxwell distribution; phase changes; applications.

Credit Hour(s): 3

Prerequisites:

PHY211, 212 and 241.

Co-Requisites:

MAT325.

Program: Physics

Semester Offered:

Fall