

# PHYS 302 : Thermodynamics

This course is a study of the physics of thermodynamic systems. Most of the course is devoted to the macroscopic properties of systems, including the first and second laws of thermodynamics, heat, entropy, imposed and natural constraints, equations of state, and applications. Statistical mechanics is briefly introduced to derive the large scale properties of systems from the microscopic behavior of their elements.

**Credits** 3.0

**Prerequisites**

PHYS 201-202 or permission of the Chair of the Department.