

# MECH3310 - Thermodynamics

[MECH 3310](#) Thermodynamics (3 semester hours) Lecture course. This course focuses on introductory concepts and definitions of thermodynamics, energy and the availability and reversible work, machine, and cycle processes; real gas behavior; first law of thermodynamics, phase-change, internal energy, energy balance, entropy, ideal gas, control volume analysis, second law of thermodynamics, vapor, gas and refrigeration power systems. Prerequisites: [MECH 1208](#) and [ENGR 3300](#) and [PHYS 2325](#). Prerequisite or corequisite: [CHEM 1311](#). (3-0) Y