

## PHYS 005: Advanced Topics in Modern Physics

This course explores advanced topics in Modern Physics, emphasizing the fundamental principles of relativity and quantum mechanics. Topics to be covered include Special and General relativity, the Bohr model, Quantum Mechanics, Schrodinger's equation, the hydrogen atom, Nuclear Physics, Particle Physics, Solid-State Physics, and other selected topics in Modern Physics.

Upper Grade

Units:

Lecture Hours: 5, Lab Hours: 0

Prerequisites: PHYS 001 or PHYS 002

Co-Requisites: none

Advisory: MATH 101

Transferable to both S and CS

WVC GE: re a - Natural Sciences

CSU GE: re a - Physical Sciences

UC/GETC GE: re a - Physical Sciences