

PHY 218: Modern Physics

The focus of this course is the development of the theory of relativity, the old quantum theory of Planck, Einstein, Bohr, and Sommerfeld, and the new quantum physics of Schroedinger, Heiseberg, Dirac, and Pauli. Laboratory experiments illustrate the principles discussed and include but not limited to determination of the speed of light, charge and charge to mass ratio of the electron, the Planck constant and the Rydberg constant, Laboratory is required. As needed.

Credits: 4

Transfer Code: Code B

Lab Hours: 2

Lecture Hours: 3

Prerequisites:

MTH 227 and a grade of "C" or better in PHY 214 or the equivalent.

Program: [Physics](#)