Physics

PHYS 486  Quantum Physics I  credit: 4 hours.
Studies atomic phenomena integrated with an introduction to quantum theory; discussion of topics includes evidence for the atomic nature of matter and the properties of the Schrodinger equation, single particle solutions in one dimension, the hydrogen atom, perturbation theory, external fields, and atomic spectroscopy of outer electrons. Prerequisite: PHYS 214; MATH 385 or equivalent; credit or concurrent registration in MATH 415; or consent of instructor.

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