

221A-B. Atomic and Nuclear Physics (3-3)

The nature of matter and radiation as deduced from the classical quantum and quantum mechanical theories; atomic and nuclear structure; the nature of the nucleus as deduced from classical, quantum and quantum mechanical theories; models of nuclear structure.

222A-B. Quantum Mechanics (3-3)**223. Statistical Mechanics (3)**

Theoretical principles of classical and quantum statistics.

280A-B. Group Study of Selected Topics (3-3)**290. Independent Study (1-3; max see reference)**

See *Regulations and Procedures—Independent Study*.

299. Thesis or Project (2-4; max total 4)

Prerequisite: See *Master's Degrees—Thesis Requirements*. Preparation, completion, and submission of an acceptable thesis or project for the master's degree.