

# Physics (PHYSICS)

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## Courses

### **PHYSICS 520. Thermodynamics and Kinetics. 3 Credits.**

Temperature, heat and work, thermodynamic properties of gases, solids and solutions; homogeneous and heterogeneous equilibria; thermodynamics of electrochemical cells; statistical thermodynamics; calculation of thermodynamic properties; chemical kinetics.

P: gr st.

Fall Only.

### **PHYSICS 615. Solar and Alternate Energy Systems. 3 Credits.**

Study of alternate energy systems which may be the important energy sources in the future, such as solar, wind, biomass, fusion, ocean thermal, fuel cells and magneto hydrodynamics.

P: gr st.

Spring Even.

### **PHYSICS 617. Nuclear Physics and Radiochemistry. 3 Credits.**

Properties and reactions of atomic nuclei; application of the properties of radioactive nuclei to the solution of chemical, physical, biological and environmental problems.

P: gr st.

Spring Even.