

INTEGRATED NATURAL SCIENCE

Courses

SCI 190. The Physical Universe. 3 Hours

Conceptual survey of the fundamental laws of physics that govern the physical universe with the themes of evolution, energy and environment as unifying threads through the course. Topics include the laws of motion, gravitation, thermodynamics, electromagnetism, waves, sound, light and modern physics.

SCI 190L. The Physical Universe Laboratory. 1 Hour

Laboratory to accompany SCI 190. Students perform both hands-on and computer interfaced inquiry-based experiments which are designed to augment the concepts in SCI 190 and illustrate the scientific thought process. The Excel spreadsheet is used in data collection and analysis. One two-hour laboratory per week. Prerequisite(s): SCI 190 (SCI 190 may be taken as a corequisite).