

# ASTR - Physics-Astronomy

## **ASTR 110IN Introduction to Astronomy: Mysteries of the Sky: 3 Credits (3 Lec)**

An introduction to contemporary astronomy that explores the nature, methods, and limitations of scientific inquiry within the context of our struggle to understand the structure and evolution of the Universe. Topics include the history of astronomy, motions of the night sky, the solar system, stellar evolution, galaxies, and cosmology. Common Exams.

## **ASTR 371 Solar System Astronomy: 4 Credits (3 Lec, 1 Lab)**

PREREQUISITE: PHSX 205, PHSX 220, or PHSX 240

COREQUISITE: PHSX 207, PHSX 222, or PHSX 242. Covers the origin and evolution of our solar system, including detailed examinations of the sun, earth, moon, other planets, and satellites. Exciting new discoveries and emerging research results will be integrated into the course. The laboratory operates in a "project mode" and includes experiments with models that can be done indoors as well as with the use of telescopes

## **ASTR 373 Stars, Galaxies, and the Universe: 3 Credits (3 Lec)**

PREREQUISITE: PHSX 205, PHSX 220, or PHSX 240

COREQUISITE: PHSX 207, PHSX 222, or PHSX 242. After reviewing basic classical astronomy on the properties, structure and evolution of stars and galaxies, the course will introduce some hot topics in frontiers of astronomy, such as pulsars, quasars, black holes, and fate of the universe