

# Exploring Astronomy Lab

PHY 293 ♦ 1 credit ♦ Tuesday 7:00-9:15pm ♦ Professor Amy Forestell



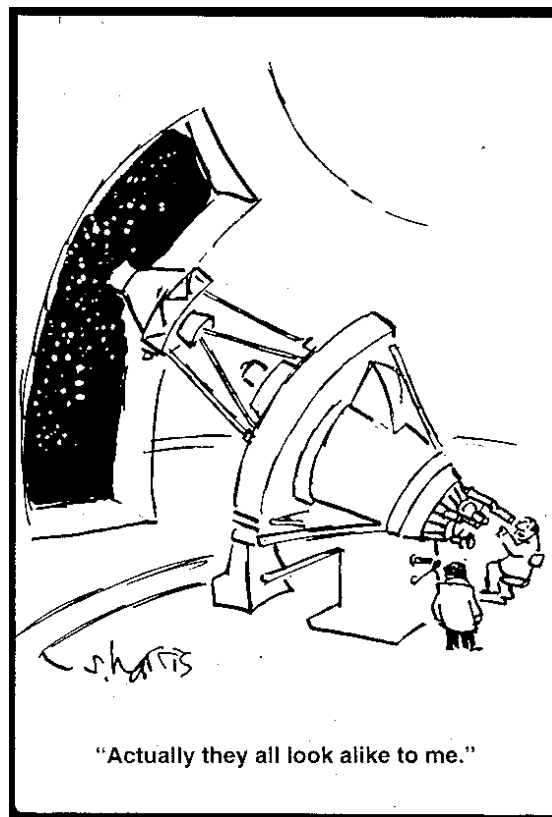
This course is designed to provide you with hands-on experience in the techniques of basic astronomical observations. We will observe the night sky using the naked eye, binoculars, and small telescopes, as well as undertake indoor laboratory activities. The class is made up of students with diverse science backgrounds but is generally oriented toward non-science majors.

## Outdoor (Good Weather) Labs

- ◆ Motions I: The Night Sky
- ◆ Motions II: Celestial Motions
- ◆ Constellations
- ◆ The Moon
- ◆ Properties of Telescopes
- ◆ Targeted Observing Exercise 1
- ◆ Targeted Observing Exercise 2

## Indoor (Cloudy Weather) Labs

- ◆ Introduction to Starry Night
- ◆ Angles and Parallax
- ◆ Reflecting Telescopes
- ◆ Refracting Telescopes
- ◆ Properties of Telescopes
- ◆ Spectroscopy 101
- ◆ Revolution of the Moons of Jupiter
- ◆ Direct and Retrograde Motion



## Course Format and Grading

Each weekly activity is graded as "Pass/No Pass." The number of labs you successfully complete determines your grade. There are no tests or quizzes.