

## Sample SLOs for:

### Astronomy

1. Identify basic concepts from the many areas of astronomy, including motions in the sky, gravity, electromagnetic radiation, solar system, stars, and galaxies.
2. Develop mathematical skills, acquire physics knowledge, and practice applying these skills and knowledge in astrophysical situations.
3. Use astronomical telescopes/instruments and reduce astronomical data using modern computational methods.

Source: <http://www.astro.umd.edu/academics/astronomyBS.pdf>  
Accessed on: 08/13/09

- Gain an understanding of the other sciences that are utilized to conduct astronomy (classical mechanics, optics, spectroscopy, chemistry, geology, meteorology, thermodynamics, relativity, and quantum mechanics).
- Gain an understanding of the techniques that astronomers use to analyze data.
- Utilize the information in the textbook to obtain an "inside out" understanding of the universe. That is, starting with the Earth and expanding outward to the solar system, Sun, stars, galaxies, and finally the whole universe.
- Discover that even the most recent textbooks are always somewhat out of date. Investigating information available on the Internet will demonstrate that our knowledge of astronomy changes continuously.

Source: <http://libart.honolulu.hawaii.edu/natsci/astronomy.php?course=astr110>

Accessed on: 08/13/09

Note: These sample SLOs are provided as a model for the creation of SLOs for your own course or program. If you have questions, or would like assistance in writing SLOs, please contact Dr. Gary Williams, Instructional Assessment Specialist, at (909) 389-3567 or [gwilliams@craftonhills.edu](mailto:gwilliams@craftonhills.edu)