



SANTA ANA COLLEGE

Student Learning Outcomes

Astronomy SLOs:

Astro 102 – Astronomy Laboratory

1. Students will be able to identify bright, naked eye stars and constellations.
2. Students will be able to assemble, use and disassemble the various types of telescopes available for their use.

Astro 110 – Solar System Astronomy

1. Students will be able to identify, classify and compare the bodies of our solar system.
2. Students will recognize and explain the movements of the Sun, Moon and planets, as viewed from Earth, over the course of time.
3. Students will be able to examine and critique both the geocentric and the heliocentric models of our solar system and explain them within a historical perspective.
4. Students will be able to explain the production, transmission, refraction and reflection of electromagnetic radiation and the detection of this radiation by both Earth-based and space-based instruments.

Astro 120 – Stars & Galaxies

1. Students will be able to identify, classify and compare the stars on the Hertzsprung-Russell diagram.
2. Students will be able to identify, classify and compare the objects in the Universe, including, but not limited to; atoms, nebulae, stars, stellar clusters, galaxies, clusters of galaxies, quasars.



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3. Students will be able to examine and critique the expansive and dynamic nature of our Universe, within a historical perspective.
4. Students will be able to explain the evolution of stars as well as of the large scale structure of the Universe.

Source: [Glendale Community College](#)