

AST 112 Spring 2019 Learning Outcomes:

- 1) Learning the phases of the moon through the month and why there is no “dark” side
- 2) Learning what causes the Seasons – and what doesn’t cause the Seasons
- 3) Learning how astronomers use telescopes to study the material inside the Solar System and outside the Solar System -> Stars, Galaxies, and the Universe
- 4) Learning how we can determine the chemical composition of the Sun, planets around other stars, the stars themselves, and the gas and dust between the stars and galaxies
- 5) Learning how the Universe, Galaxies, Stars, the Sun, and planets around other stars were formed and evolved to what we see today and how do we know it.
- 6) Learning about the different types of objects we see outside the Solar System
- 7) Learning how Global Warming is affecting our future