ASTRONOMY 101

An Introduction

Explore Galaxies, Nebulas, Star Clusters and other Deep Sky wonders

Track the Earth's Orbital Motion, the cause of our Seasons
Explore our Moon's Lunar Phases and the cause of Solar and Lunar Eclipses

and more!

"There are more stars in our Universe than there are grains of sand on all the beaches on Earth"

Carl Sagan

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Day: Tuesday, 6 Sessions
Time: 1:30 PM - 3:00 PM
Dates: 01/05/21 - 02/09/21

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Time: 3:15 PM - 4:45 PM
Dates: 03/02/21 - 04/06/21

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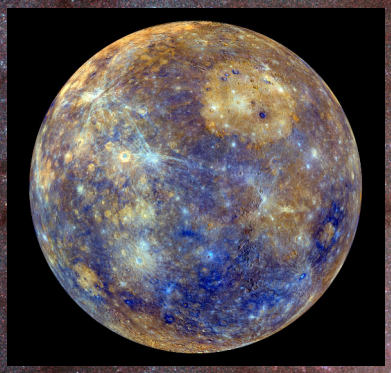
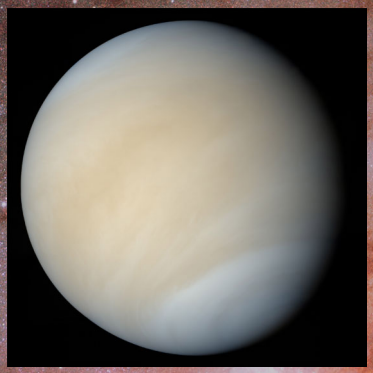
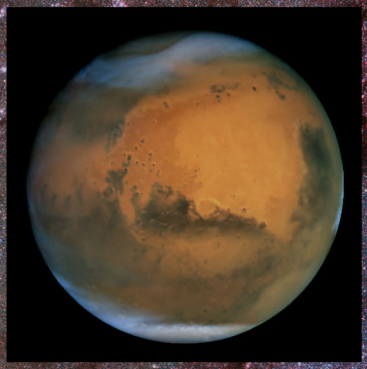
ASTRONOMY 102

The Planets

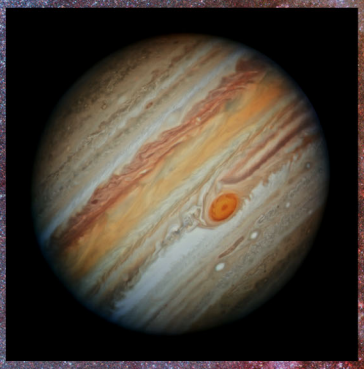
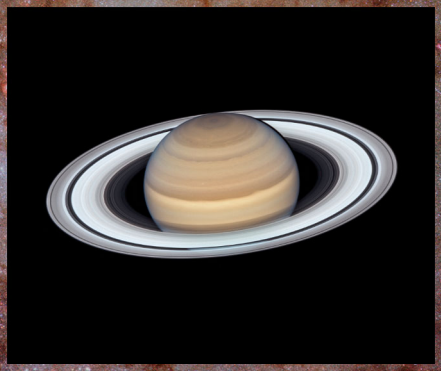
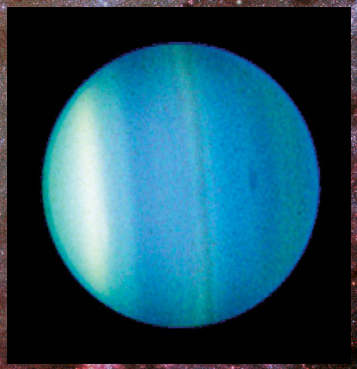
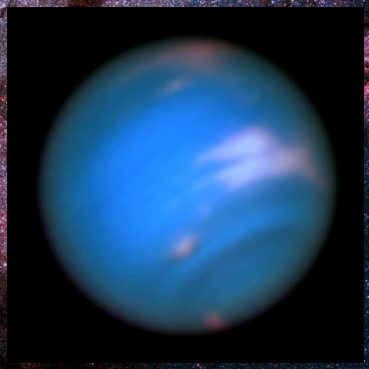
Discover the wonders that the Planets have to offer in our Solar System



Explore the inner planets, Mercury and Venus

Take an in-depth look at Mars and its surface features, Jupiter and its amazing moons, and explore the beautiful rings of Saturn

Investigate the Earth's formation and its only natural satellite, the Moon

"The Sun and its retinue of planets drift as a group through the vast gulfs of space that separate the stars"

Bernard M. Oliver

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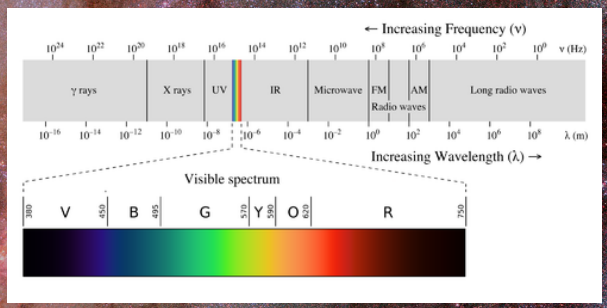
ASTRONOMY 103

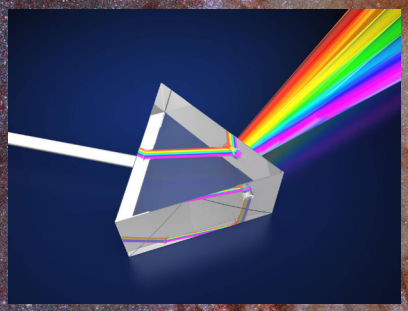
Radiation and Spectra

The nearest star is so far away that the fastest spacecraft humans have built would take almost 100,000 years to get there.

Discover the techniques that allow us to analyze stars, galaxies and other deep sky objects from a distance.



Electromagnetic radiation carries a lot of information about the nature of stars and other astronomical objects.



Astronomy 103 will take an in-depth look at the field of spectroscopy, the structure of the atom and the formation of spectral lines.

Learn about the tools astronomers use to extend their vision into space, including telescopes, visible-light detectors, observations outside Earth's atmosphere, radio telescopes and more!

"To try to make a model of an atom by studying its spectrum is like trying to make a model of a grand piano by listening to the noise it makes when thrown downstairs" *Anonymous*

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