

1.10 Lunar Month

PRE-LECTURE READING 1.10

- *Astronomy Today*, 8th Edition (Chaisson & McMillan)
- *Astronomy Today*, 7th Edition (Chaisson & McMillan)
- *Astronomy Today*, 6th Edition (Chaisson & McMillan)

VIDEO LECTURE

- Lunar Month¹ (7:21)

SUPPLEMENTARY NOTES

The Moon's Motion

- The moon revolves 360° around Earth every 27.3 days. This is called a sidereal month.
- Due to tidal locking, the moon also rotates 360° every 27.3 days, which is why we always see the same side of the moon.
- Due to the Earth-Moon system's revolution around the sun, the moon's phase cycle takes longer to repeat.
- The moon's phase cycle repeats every 29.5 days. This is called a *synodic* month.

¹<http://youtu.be/PZXM89zQw5I>