

What could be better than Physics?

... Astrophysics!

ERTH 104 Introductory Astrophysics (3 Units)

CRN: 66390

Professor: Dr. Sean Kelly (PhD in Physics)

Covers many of the same topics found in EARTH-101 (Introductory Astronomy), but with an emphasis on using mathematics to achieve a deeper level of understanding of astrophysical phenomena. Compared to EARTH-101 this is a highly mathematical course, so it is recommended **ONLY** to those who enjoy math. This course contains the rigor of an astronomy class offered at four-year universities but also has topics that are not typically offered in an introductory course, like Hohmann transfer orbits and the “Tsiolkovsky rocket equation”. You do not need to take the EARTH-101 before taking EARTH-104. Meets GE requirements, but looks better on your transcript if you are a science major.

Time: Friday, 9:35 – 12:40

Location: Zoom live meeting

$$\Delta v = v_e \ln \left(\frac{m_i}{m_f} \right)$$

