Class 17 - Mars’ Age, Volcanism, & Magnetism

Major Events in Mars’ Geological History

Craters on Mars: Relative Ages?
1. Assume the same general cratering history as the Moon (e.g., early heavy bombardment)
2. Assume 2x cratering rate relative to the Moon (estimate, since closer to asteroid belt)
3. Measure average crater densities (in images)

**Martian Surface Ages I**

**Martian Surface Ages II**
Buried Craters in Northern Lowlands

Magnetized Crust: Earth v. Mars

Why Isn’t the Crust Magnetized Everywhere?