

November 6, 2020
MSE 2101 topics

- Measuring exoplanet properties – recap
 - orbital period
 - distance from the host star
 - eccentricity of the orbit
 - planetary mass
 - planetary radius
 - mean planetary density
 - atmospheric composition
- Observed exoplanet properties
- Are planetary systems similar to ours common?
- Habitability of exoplanets
 - surface habitability
 - subsurface habitability
- Orphan (rogue) planets?
- The “Rare Earth” hypothesis
 - galactic habitable zone?
 - heavy bombardment and the role of Jupiter
 - climate stability