

November 4, 2020
MSE 2101 topics

- What stars make good habitable planet hosts?
 - elements for building life?
 - habitable zones?
 - stable orbits?
- Finding extrasolar planets (exoplanets)
 - imaging
 - astrometric detection
 - Doppler shifts
 - transiting exoplanets
- Measuring exoplanet properties
 - 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?