

October 8, 2021
MSE 2101 topics

- Examples of alternative models
 - the fast-spinning Sun
 - Comte de Buffon's collision hypothesis
 - Chamberlin-Moulton's close encounter hypothesis
 - Schmidt's Sun passing through an interstellar cloud
- Challenges to the nebular theory
 - weird exoplanets – hot jupiters
 - stellar formation typically a violent process
 - planetary disks can linger a long long time
- The basics of geology
- Volcanism, plate tectonics, magnetic fields
- Types of rocks
 - igneous (magmatic)
 - sedimentary
 - metamorphic
- Types of sediments
 - clastic
 - organic
 - chemical
- Sedimental stratification
- Rock cycling